Contents

Chapter 1 Overview 8

1.1 Introduction 8

1.2 Audio sources 8

1.3 Record 8

1.4 Networking 9

1.5 Others 9

Chapter 2 Installation 15

2.1 Connections 15

2.1.1 Ethernet LAN 15

2.1.2 Wireless LAN (WLAN) 16

2.2 Switching On 16

- Network setting - LAN 17

- Network setting –WLAN (with WiFi Dongle) 18

- Can not find Access Point 19

- Fail to connect to Access Point 20

- Select an AP that does not use encryption 21

2.3 Power On 23

Chapter 3 CD 24

3.1 Inserting a CD into the CD Tray 24

3.2 Getting CD Information 24

3.3 Playing a CD 26

3.4 CD Ripping 27

3.4.1 Converting All the Tracks within the Disc 27

3.4.2 Ripping Selected Tracks from the Disc 27

3.5 Now Playing 29

3.6 Lyrics 30

3.7 Balance 31

Chapter 4 Internet Radio 32

4.1 Introduction 32

4.2 World Station 32

4.2.1. Listen to World Station 32

4.3 SHOUTCast 34

4.4 Add/Delete a Radio Station to your Favourites 34

Contents

4.5 Internet Radio Recording 35
4.5.1 Both USB and SD/MMC Storage Media are Ready 35
4.5.2 Only One Storage Medium is Ready 35

Chapter 5 USB drive and Memory Card 37
5.1 Playing Songs on a USB Drive or Memory Card 37
5.2 Recording Folders 38

Chapter 6 i-Pod 39
6.1 Apple i-Pod support 39
6.2 Playing Songs on Apple i-Pod 39

Chapter 7 FM Radio 40
7.1 Listening to FM Radio 40
7.2 Tuning the FM Frequency 40
7.3 Auto-scanning for FM Stations 41
7.4 Manually Pre-setting FM Stations 42
7.5 Listening to a Preset Station 42
7.6 Recording From FM 43

Chapter 8 Media Server 44
8.1 Supported Media Server programmes 44
8.2 Setting Upnp Environment 44
8.2.1 Connecting up the UPnP network 44
8.3 Playing Songs on the UPnP Media Server 45

Chapter 9 File Manager 46
9.1 Copy/Move Files to an USB Disk or SD/MMC Card 46
9.2 Copy/Move Files to iPod 47

Contents

Chapter 10 AUX 49

10.1 AUX Mode 49

10.2 Recording in AUX Mode 49

Chapter 11 Setup 51

11.1 Date & Time 51

11.1.1 Tuning Time Synchronisation off or on 51

11.1.2 Setting the Date 51

11.1.3 Setting the Time 52

11.1.4 Setting Time Format, World Time Zone and DST 53

11.2 Alarm 54

11.2.1 Setting the Alarm 54

11.2.2 Setting the Alarm Sound 54

11.2.3 Alarm Volume 56

11.2.4 Snooze 56

11.2.5 Snooze minutes 56

11.2.6 Disarming the Alarm 57

11.3 Sleep 57

11.3.1 SLEEP Mode 57

11.4 Network 57

11.4.1 Understanding the Networking States on Smart Boombox 58

11.4.2 Setting the Wi-Fi Connectivity 59

11.4.3 Setting the Wi-Fi Connectivity by Wi-Fi Wizard 62

11.4.4 Inputting Static IP address 63

11.4.5 Inputting DNS address 64

11.4.6 Inputting Proxy server address 64

11.5 Information Display 67

11.6 Language 67

11.7 Reset All Settings 68

11.8 Firmware Upgrade 68

11.8.1 On-Line Upgrade 69

Chapter 12 Trouble Shooting 71

Safety information

Mains supply

This equipment is designed to operate from a 230 Volt, 50Hz ~ AC mains supply. Other power sources may damage it. Check that the rating label on the back of the equipment states 230V AC before you plug it in for the first time.

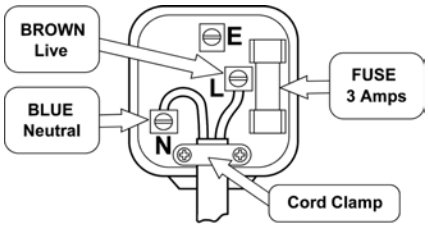
Mains plug

We have fitted this equipment with a standard mains plug.

- If the mains lead gets damaged it must be replaced by the manufacturers service agent with an approved lead of the same type and rating to avoid an electrical hazard.
- If you cut off the mains plug, for example to fit a different type, please destroy the old plug, as it would be dangerous if inserted into a live power outlet. Carefully follow the wiring instructions supplied with the new plug.
- If a fuse is fitted to the plug, remove the fuse before throwing the plug away.
- Carefully follow the wiring instructions supplied with a new mains plug.
- Never use a fused mains plug without the fuse cover.

Mains plug wiring for the UK

- In a re-wirable plug the wires in the mains lead of this equipment must be connected as follows.
- The wire-coloured brown must be connected to the terminal that is marked with the letter L.
- The wire-coloured blue must be connected to the terminal that is marked with the letter N.
- Do not connect anything to the earth terminal which is marked E, or ⏚



- You must make sure the mains lead is firmly secured under the cord clamp.

Mains fuse

UK standard (BS1363) plugs must have a 3 or 5 amp (BS1362 type) fuse fitted. Replace the plug or have the power lead assembly replaced if the fuse cover is lost.

Symbols

This equipment is double insulated and an earth connection is not required.

Dangerous voltage constituting a risk of electric shock is present inside this equipment.

This mark is applied to show the equipment conforms to European safety and electro-magnetic compatibility standards.

There are important operating and maintenance instructions in the literature accompanying this equipment.

Safe use and care of your equipment

We have designed and made this product to meet European safety standards, but as with any electrical equipment you must take care to get the longest working life from it and stay safe. Here are a few tips to help you do this.

Read these instructions carefully before you try to use the equipment.

Protect the mains lead. You must ensure the mains lead cannot be walked on, crushed, chafed or cut.

Avoid harsh conditions such as wet or damp places, high humidity, strong vibration, extremely high or low temperatures, strong sunlight and places which are very dusty.

Never push objects into holes and ventilation slots.

To save power, switch off mains power or pull out the mains power plug when you are not using the equipment, unless the function of the equipment requires a continuous power supply.

Don't continue to use this equipment if you have spilt liquids in it, if it is damaged in any way or if it does not work normally. Immediately unplug the equipment and get expert advice.

Pull the mains plug out of the wall socket during thunderstorms.

This product is designed for domestic use only. Any other use may invalidate the guarantee and might be dangerous.

Ventilation

Place the equipment on a hard flat surface away from direct sunlight and heat sources. If it is in a cabinet, allow at least a 10cm gap all around. Don't obstruct the ventilation slots, including those underneath, with soft furnishings. Overheating will shorten the life of the equipment and increase the risk of fire.

Cleaning

Disconnect the mains supply and use only a lightly dampened soft cloth. Do not use chemical solvents or strong detergents as these may damage the cosmetic finish.

Batteries

Remove batteries when the remote will not be used for a long time. Batteries left in equipment may cause damage through deterioration and corrosive leakage, invalidating the guarantee. To protect the environment please use local recycling facilities for battery disposal.

Disposal

Waste electrical and electronic products must not be disposed of with household waste. Please refer to the retailer from whom you purchased this item for disposal instructions.

Batteries and packaging materials can be recycled using your local collection facilities.

Important Safety warnings

- **To prevent electric shock, do not remove any cover.**
- **If anything goes wrong, don't try and fix it yourself, get a qualified service agent to look at the product.**
- **Do not expose this equipment to dripping or splashing or place any objects filled with liquids, such as vases, on the equipment.**
- **Never put a naked flame source on or near this equipment.**
- **Small parts. Do not let young children play with the equipment.¡¡**
- **Connect headphones with the volume set low and increase it if required. Prolonged listening through some headphones at high volume settings can result in hearing damage.**

Copyright Statements

- Music recognition technology and related data are provided by Gracenote®. Gracenote is the industry standard in music recognition technology and related content delivery. For more information visit http://www.gracenote.com/.
- CD and music-related data from Gracenote, Inc., copyright © 2000-2007 Gracenote. Gracenote Software, copyright © 2000-2007 Gracenote. This product and service may practice one or more of the following U.S. Patents: #7,228,280; #7,167,857; #6,983,289; #6,330,593; #6,304,523; #6,240,459; #6,230,207; #6,230,192; #6,161,132; #6,154,773; #6,061,680; #5,987,525, and other patents issued or pending.
  Gracenote, CDDB, and MusicID are either registered trademarks or trademarks of Gracenote in the United States and/or other countries. The Gracenote logo and logotype, and the "Powered by Gracenote" logo are trademarks of Gracenote.
- MEPG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.
- Supply of this product does not convey a license nor imply any right to distribute content created with this product in revenue-generating broadcast systems (terrestrial, satellite, cable and/or other distribution channels), streaming applications (via Internet, intranets and/or other networks), other content distribution systems (pay-audio or audio-on-demand applications and the like) or on physical media (compact discs, digital versatile discs, semiconductor chips, hard drives, memory cards and the like). An independent license for such use is required. For detail please visit http://mp3licensing.com.
- Microsoft® and Windows Media® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- RealNetworks, RealAudio and the Real logo are trademarks or registered trademarks of RealNetworks, Inc. Portions of this software are included under license from RealNetworks, Inc. Copyright 1995-2007, RealNetworks, Inc. All rights reserved.
- iPod and iTunes are trademarks of Apple Inc., registered in the United States and other countries.
- Shuffle is a trademark of Apple Inc.

Notice

Recording/Ripping any audio content made with this system is only for your personal use. It should not be sold, distributed, and played for a public audience without copyright holder' permission.

Gracenote® End User License Agreement

Version 20061005

This application or device contains software from Gracenote, Inc. of Emeryville, California ("Gracenote"). The software from Gracenote (the "Gracenote Software") enables this application to perform disc and/or file identification and obtain music-related information, including name, artist, track, and title information ("Gracenote Data") from online servers or embedded databases (collectively, "Gracenote Servers") and to perform other functions. You may use Gracenote Data only by means of the intended End-User functions of this application or device.

You agree that you will use Gracenote Data, the Gracenote Software, and Gracenote Servers for your own personal non-commercial use only. You agree not to assign, copy, transfer or transmit the Gracenote Software or any Gracenote Data to any third party. YOU AGREE NOT TO USE OR EXPLOIT GRACENOTE DATA, THE GRACENOTE SOFTWARE, OR GRACENOTE SERVERS, EXCEPT AS EXPRESSLY PERMITTED HEREIN.

You agree that your non-exclusive license to use the Gracenote Data, the Gracenote Software, and Gracenote Servers will terminate if you violate these restrictions. If your license terminates, you agree to cease any and all use of the Gracenote Data, the Gracenote Software, and Gracenote Servers. Gracenote reserves all rights in Gracenote Data, the Gracenote Software, and the Gracenote Servers, including all ownership rights. Under no circumstances will Gracenote become liable for any payment to you for any information that you provide. You agree that Gracenote, Inc. may enforce its rights under this Agreement against you directly in its own name.

The Gracenote service uses a unique identifier to track queries for statistical purposes. The purpose of a randomly assigned numeric identifier is to allow the Gracenote service to count queries without knowing anything about who you are. For more information, see the web page for the Gracenote Privacy Policy for the Gracenote service.

The Gracenote Software and each item of Gracenote Data are licensed to you "AS IS." Gracenote makes no representations or warranties, express or implied, regarding the accuracy of any Gracenote Data from in the Gracenote Servers. Gracenote reserves the right to delete data from the Gracenote Servers or to change data categories for any cause that Gracenote deems sufficient. No warranty is made that the Gracenote Software or Gracenote Servers are error-free or that functioning of Gracenote Software or Gracenote Servers will be uninterrupted. Gracenote is not obligated to provide you with new enhanced or additional data types or categories that Gracenote may provide in the future and is free to discontinue its services at any time.

GRACENOTE DISCLAIMS ALL WARRANTIES EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, AND NON-INFRINGEMENT. GRACENOTE DOES NOT WARRANT THE RESULTS THAT WILL BE OBTAINED BY YOUR USE OF THE GRACENOTE SOFTWARE OR ANY GRACENOTE SERVER. IN NO CASE WILL GRACENOTE BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES OR FOR ANY LOST PROFITS OR LOST REVENUES.

© Gracenote 2006

Chapter 1 Overview

1.1 Introduction

Your Internet Radio Audio System combines digital audio playback functions with network connectivity, so you can play Audio CD, Data CD with MP3 or WMA audio files USB disk, SD/MMC card, FM radio and over 5,000 internet radio stations.

1.2 Audio Sources

- Audio CD
- MP3,Windows Media® audio files (WMA)including ID3V1, 2 tags.
- Supports static lyrics and synced lyrics (.txt /.lrc /.smi)
- USB Flash drive and USB HD drive
- SHOUTCast Internet Radio (http: //www.shoutcast.com)
- World Station - Local Radio On-line.
- FM (87.5~108MHz)
- Auxiliary analogue input (AUX)

1.3 Record

- Convert Audio CD tracks into 128kbps MP3 file and save to a USB disk or SD/MMC card . By connecting to Gracenote Music Recognition service, you may gather CD track information about the playing CD
- Record Internet Radio Station (SHOUTcast and World Radio) and save to a USB disk or SD/MMC card as MP3 files
- Record FM Radio and save to USB disk or SD/MMC card as MP3 files.
- Record AUX into 128kbps MP3 file save to USB disk or SD/MMC card
- Support storage backup management program

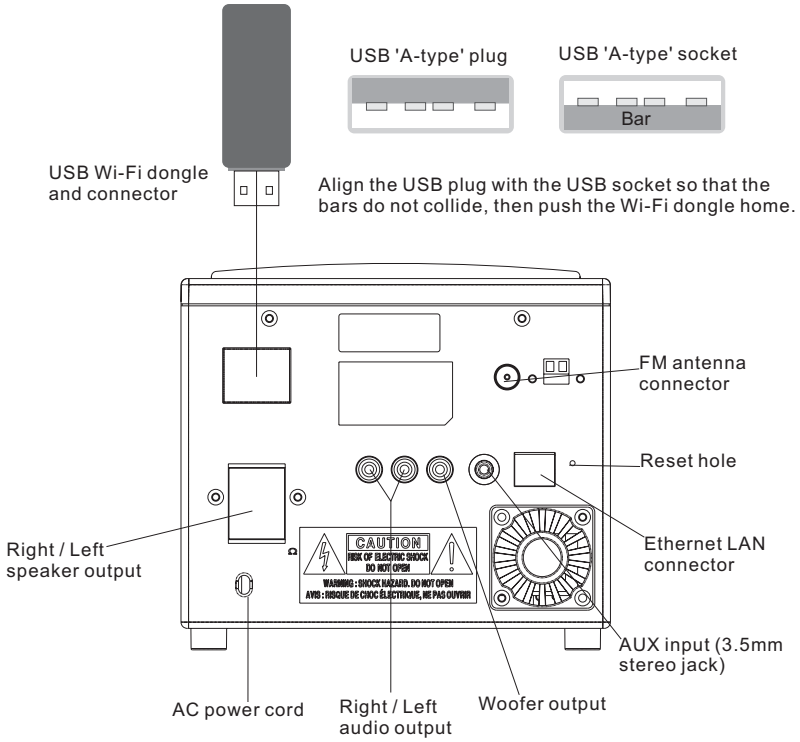
1.4 Networking

- Supports Ethernet 10/100 Mbps
- Supports Wireless LAN IEEE 802.11 b/g Dongle(included)
- Supports Infrastructure /Ad-Hoc
- Supports WEP 64/128 and WPA-PSK encryption
- Supports Proxy Setting
- Wireless setting wizard to make wireless network setup easier.

1.5 Others

- Two alarm clock settings
- On-line time sync technology (network must be available.)
- Firmware upgrade by Internet.

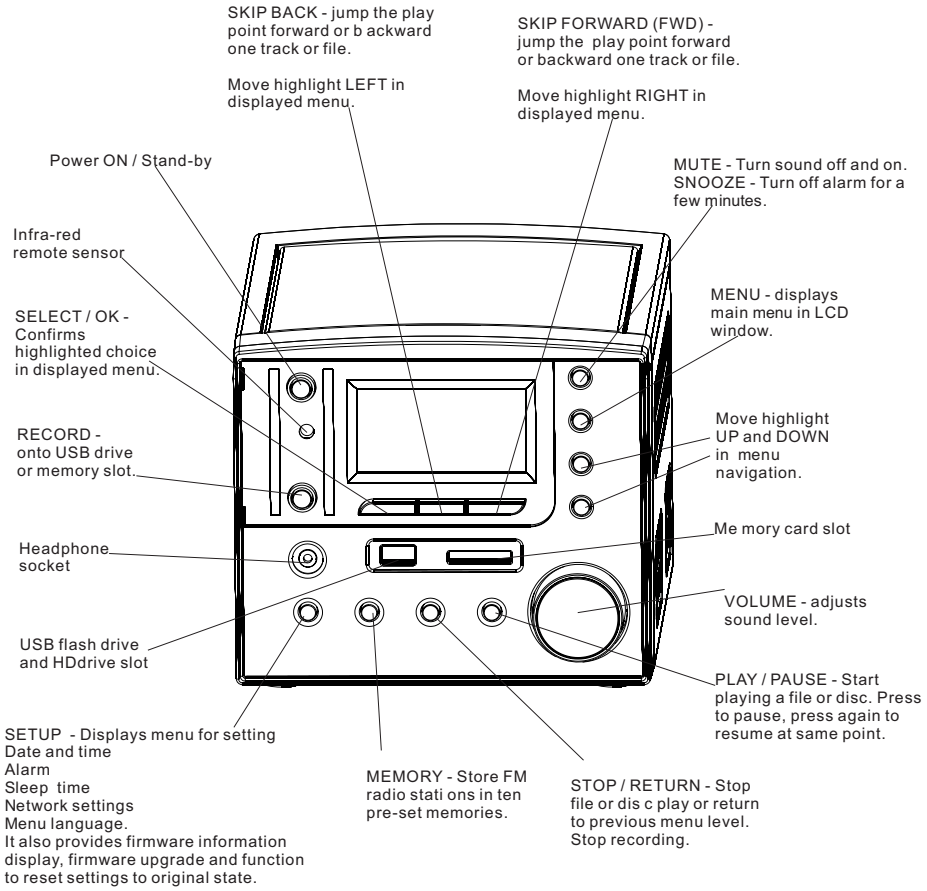
Back panel features



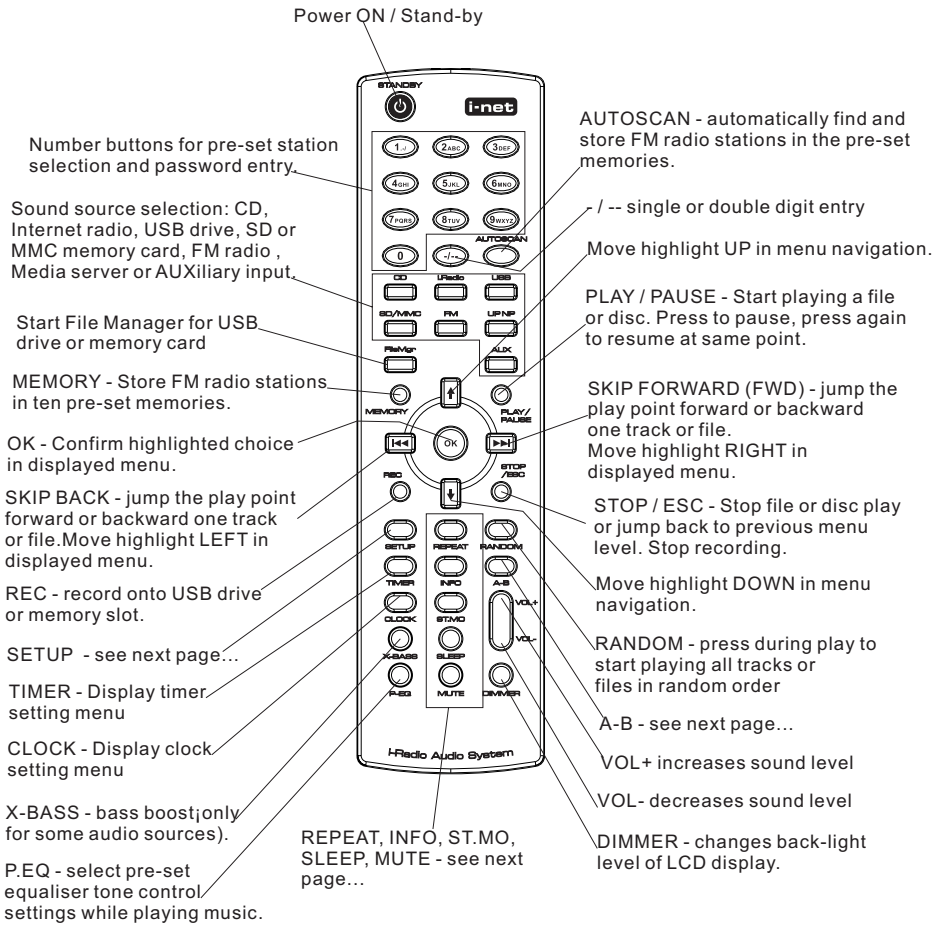
Front panel features

Menus and navigation

- Display the main menu with the [MENU] button.
- Highlight and scroll with the up ▲ , down ▼ , left ⏭ (skip forward) and right ⏮ (skip backward) buttons. Confirm with [OK]. Step back up a menu level with [STOP/ESC].
- Step back a menu level with [STOP/ESC].



Remote control - 1



Menus and navigation

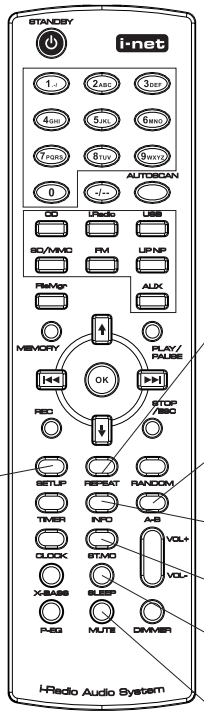
- Highlight and scroll with the up ▲ , down ▼ , left ⏭ (skip forward) and right ⏮ (skip backward) buttons. Confirm with [OK]. Step back up a menu level with [STOP/ESC].
- Step back a menu level with [STOP/ESC].

Remote control - 2

SETUP
Press while main menu is visible to display the set-up menu for the following:
Date and time
Alarm
Sleep time
Network settings
Menu language.

It also provides firmware information display, firmware upgrade and function to reset settings to original state.

Press while playing music to display settings for the following:
Play Mode (Repeat one, Repeat all, Random play)
Equaliser (Normal, Classic, Jazz, Rock)
Balance
Bass boost



REPEAT
Press to select repeat mode
- repeat track or file
- repeat album or disc
- no repeat

A-B
While playing music, press once to mark beginning and once more to mark the end of a section. Section then plays repeatedly. Press again to resume normal play.

INFO - press to display firmware information.

ST.MO - Stereo / mono switch for FM radio.

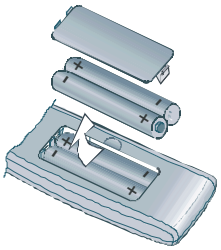
SLEEP - Turn unit off (to stand-by) after the number of 'sleep' minutes set in the set-up menu.

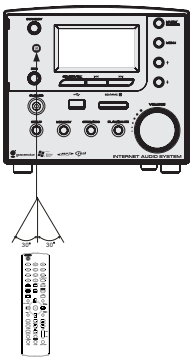
MUTE - Turn sound off and on.

Preparing the Remote Control for Operation

You must install the batteries in the remote control before use.

- Open the battery compartment, insert two AAA (R03) alkaline batteries as shown, then close the compartment.
- The remote control range is approximately 5 metres. Keep within about 30 degrees of the remote sensor.





Before you start

Before you can use the Internet part of your audio system you must have a working broadband Internet connection with one of the following:

- A wireless (Wi-Fi) access point (an 'AP').
  In this case you will also need the Wi-Fi USB adaptor or 'dongle' for the audio system.

- An Ethernet connection with an RJ45 plug.

If you do not already have broadband Internet, we recommend you contact your telephone, cable or satellite service provider to find out about availability in your area and to arrange installation. When the installation engineer has finished you will have a modem and a router ready to connect either by ethernet cable or wireless link to 'clients' such as computer and Internet audio system.
The Modem and router may be in one box, or you may have to go out and buy either a wired (ethernet) or wireless router to go with the modem.

Strictly speaking you do not need to have a computer: usually the ex-factory (default) settings of the router and modem are sufficient to get them working automatically with the audio system. The audio system's network set-up wizard will help.
However, a computer on the network can be important, for example it can verify the rest of the network is working properly and you can change the router and modem set-up by using it as a control panel (see the modem / router instructions and support service if you need to do this).

- If your wireless network is already in use it might have Wired Equivalent Privacy (WEP) or Wi-Fi Protected Access (WPA) data encryption. You will need to enter the WEP or WPA key word into the audio system so it can communicate with the router.

- The 'access point' in a wireless network has a name known as the 'SSID'. You will need to 'tell' the Internet audio system the SSID when setting it up for the first time. Usually the SSID starts out as the brand and model of the router, although it is a good idea to change it if there are other networks, so identification of the correct network (SSID) is easier. Legally speaking, you should not connect to the Internet through someone else's network ! Apart from the legal aspect, sharing a wireless link will make audio from the internet more prone to interruptions.

- Wireless router range is usually enough for domestic use but can be adversely affected by some building materials and interference sources such as other nearby wireless networks.

If after setting everything it seem your Internet connection is still not working, always try disconnecting mains power to all the devices in the network .Then switch things back on in this order:

1 - Modem. Wait a minute for the indicator lights to settle down.
2 - Router (if separate). Again, wait a minute for the indicator lights to settle down.
3 - Computer(s) re-start.
4 - Internet audio system.

Chapter 2 Installation

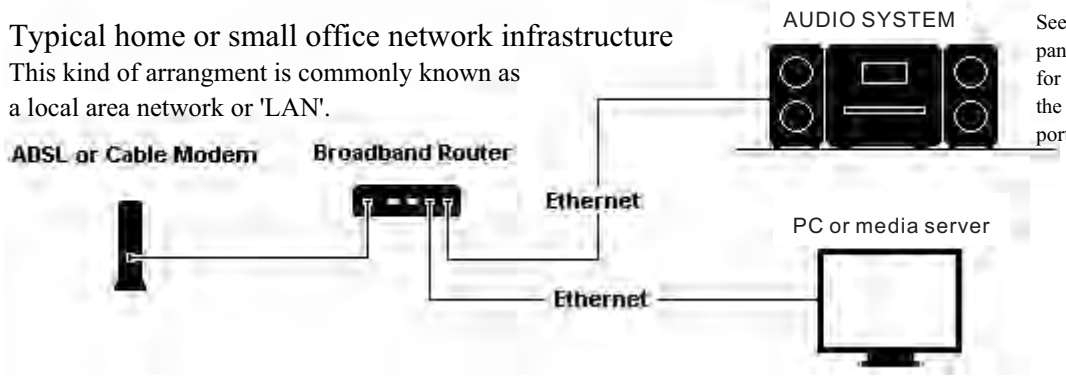
2.1 Connections

The proper voltage for the audio system is AC 100V~240V/50-60Hz.
Please check the voltage in your area before plugging in the unit.
The following illustrations show typical ways of connecting up a small network for Internet, computer and audio system. You can read details about audio system network set-up in Chapter 11.4 - 'Setup' - 'Network'.

2.1.1 Ethernet LAN

Your audio system is shipped set for automatic network configuration (DHCP). Other devices on the network must also be set to DHCP. It is the usual ex-factory (default) setting.

Typical home or small office network infrastructure
This kind of arrangment is commonly known as a local area network or 'LAN'.

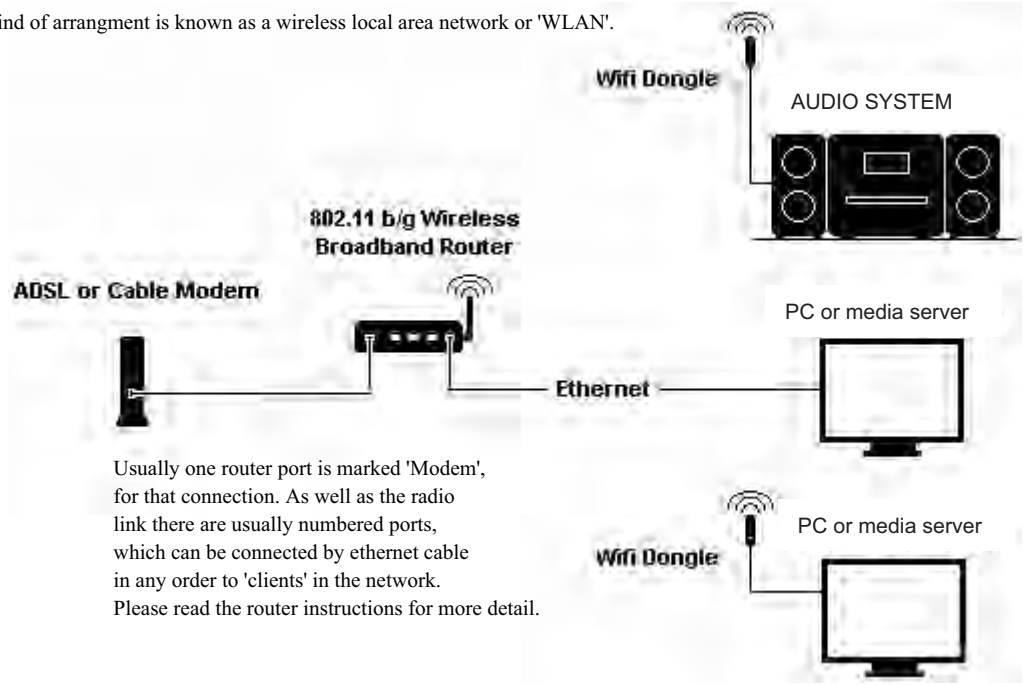


See 'Back panel features' for location of the ethernet port.

Usually one router port is marked 'Modem', for that connection. Other ports, which are numbered, can be connected in any order to 'clients' in the network. Please read the router instructions for more detail.

You can receive audio files from your PC by running a media server programme on it: please see chapter 8 - 'Media Server'. Articles on the Internet and Windows Media Player version 11 or higher may help.

This kind of arrangment is known as a wireless local area network or 'WLAN'.



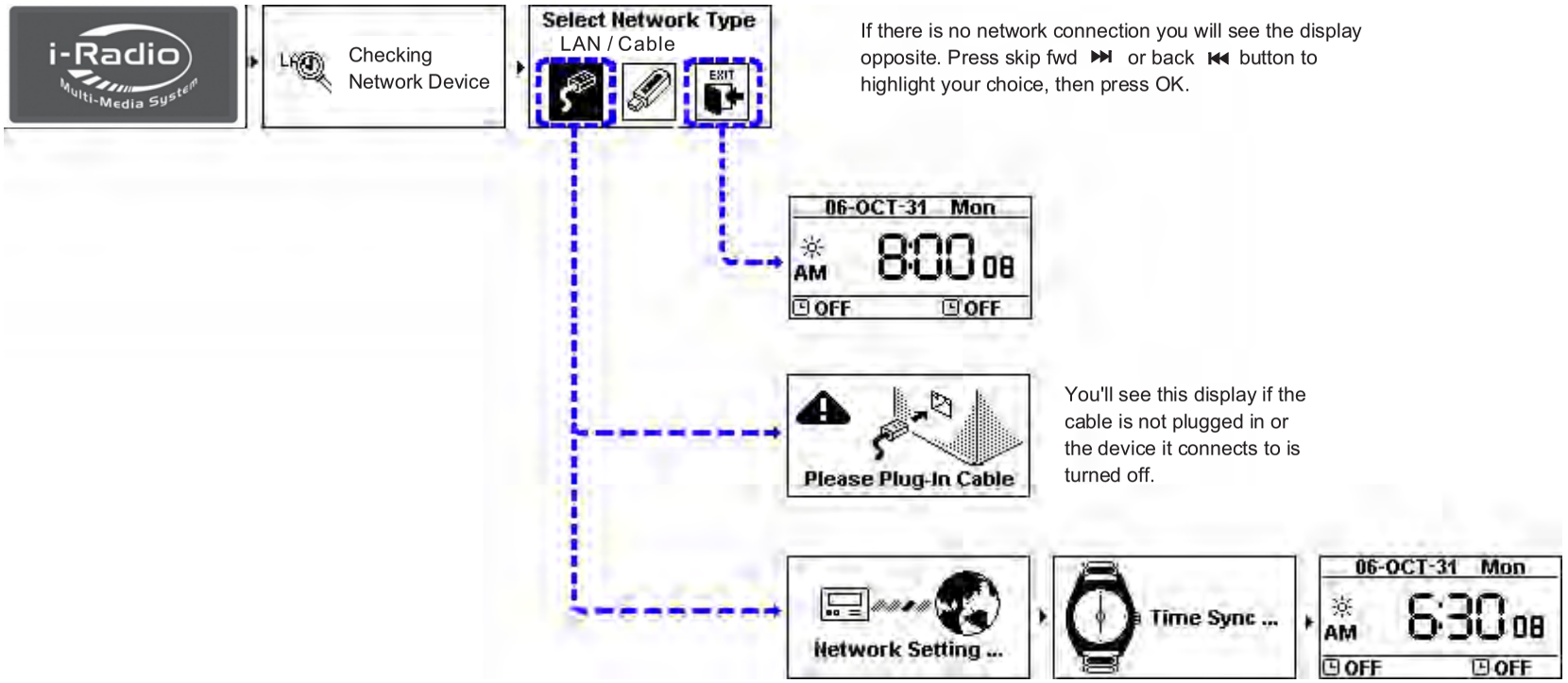
Usually one router port is marked 'Modem',
for that connection. As well as the radio
link there are usually numbered ports,
which can be connected by ethernet cable
in any order to 'clients' in the network.
Please read the router instructions for more detail.

2.2 Switching on

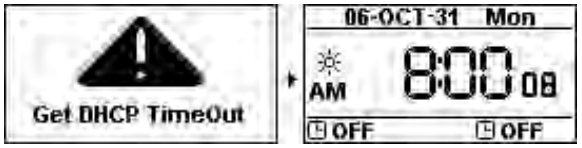
What happens when you switch on mains power depends on the kind of network you choose. The following pages describe what happens in various situations.

If no networks are available you cannot connect with Internet Radio and Media Server audio sources and time and date will not be set automatically. Every time mains power is switched on you will have to highlight 'EXIT' with SKIP FWD⏭and confirm with 'OK'.
You can disable automatic time synchronisation - see section 11.1.1 - 'Turning time synchronisation on or off".

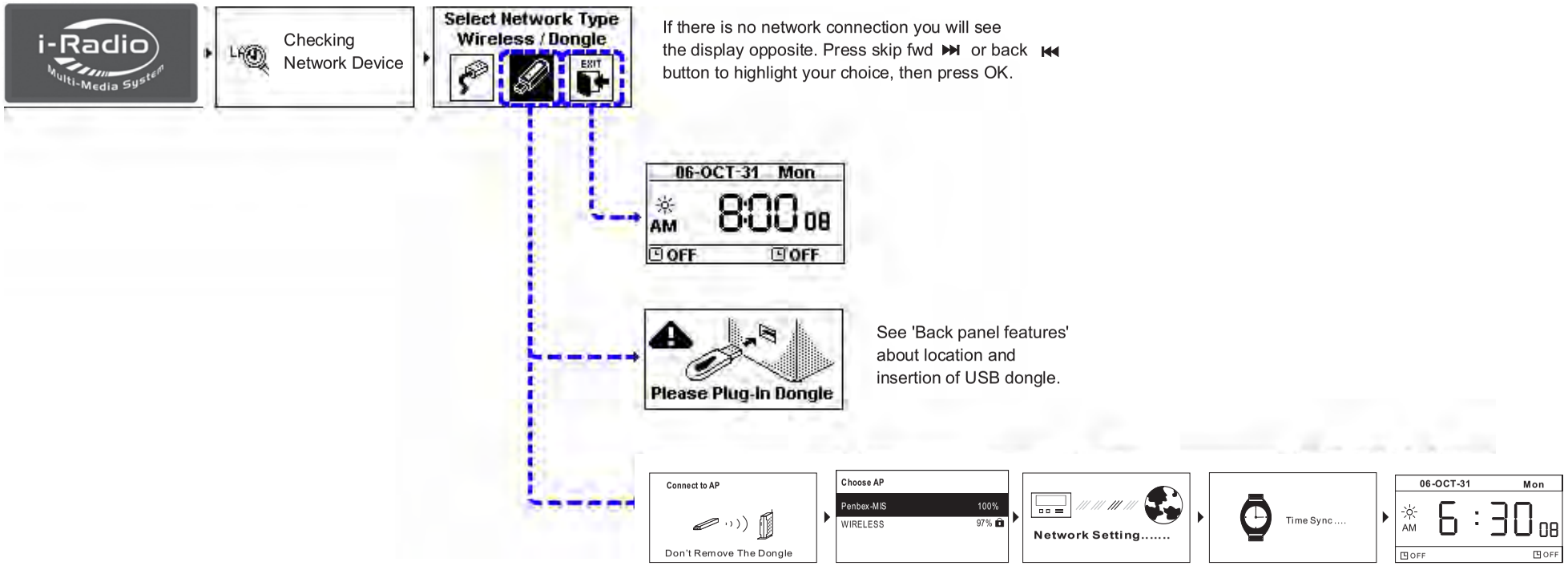
• **NETWORK SETTING – LAN**



• **CAN NOT GET DHCP**



• **NETWORK SETTING – WLAN (with Wifi dongle)**



• CAN NOT FIND ACCESS POINT

No access point.

Success this time !
Choose from several access points.

Lock symbol means access point has encryption: see next page plus one, 'Select an AP...' and see WEP / WPA in Chapter 11.4 - 'Setup' - 'Network'

Select access point by pressing skip fwd ⏭ or back ⏮ to highlight your choice and confirm with the OK button.

OR Select「EXIT」to quit

(1) CAN NOT FIND ANY ACCESS POINT

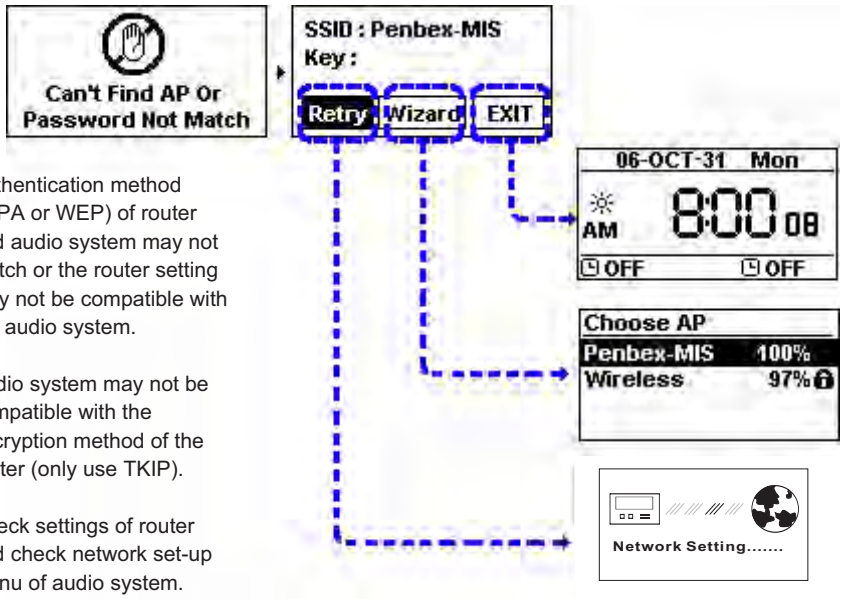
- There may be an access point which is not broadcasting its name (the SSID), so it will not appear on the 'Choose AP' list. The access point (the router) must broadcast it's name for this audio system wireless connection to work. You will need to change the settings of the access point (router) then 'rescan' with the audio system.

(2) CAN NOT FIND THE AP YOU WANT, PRESS「OK」TO ENTER RESCAN MODE

Select「RESCAN」to search again OR Select「EXIT」to quit

- Lock symbol means access point has encryption: see next page plus one, 'Select an AP...' and see WEP / WPA in Chapter 11.4 - 'Setup' - 'Network'

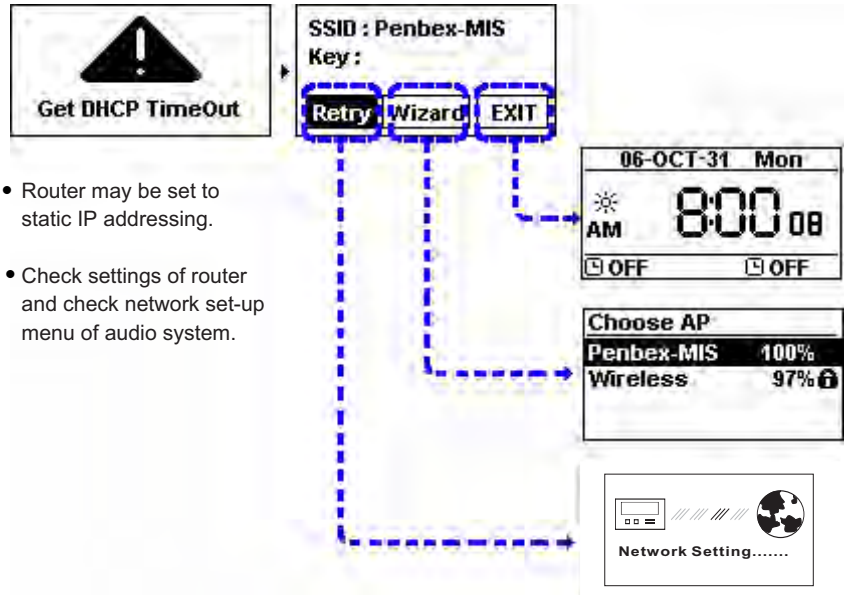
• FAIL TO CONNECT TO ACCESS POINT



- Authentication method (WPA or WEP) of router and audio system may not match or the router setting may not be compatible with the audio system.
- Audio system may not be compatible with the encryption method of the router (only use TKIP).
- Check settings of router and check network set-up menu of audio system.

1. Select 「Retry」to try again;
2. or Select「Wizard」to scan for other access points;
3. or Select「EXIT」to quit

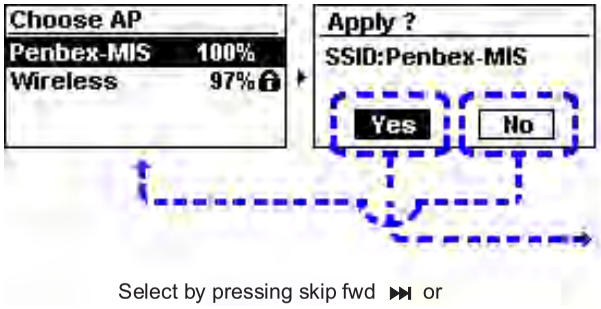
• CAN NOT GET DHCP



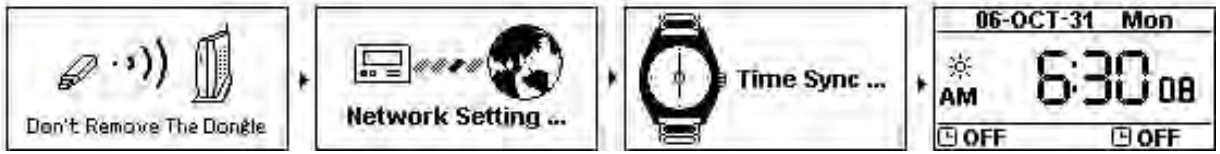
- Router may be set to static IP addressing.
- Check settings of router and check network set-up menu of audio system.

1. Select 「Retry」to try again;
2. or Select「Wizard」to scan for other access points;
3. or Select「EXIT」to quit

• SELECT AN AP THAT DOES NOT USE ENCRYPTION



- If the system detects multiple wireless networks, press the UP ▲ or DOWN ▼ buttons to highlight the correct one and press [SELECT / OK].

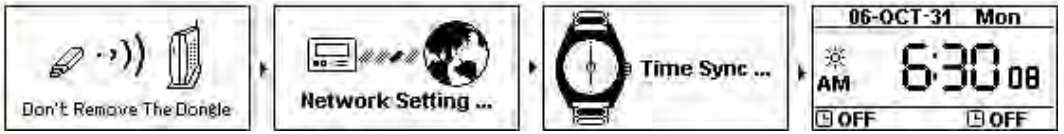


Select by pressing skip fwd ⏭ or back ⏮ to highlight your choice and confirm with the OK button.

Select「Yes」to make a connection OR Select「No」to select other Access Points

• SELECT AN AP THAT USES ENCRYPTION

To input the key phrase (for WEP) or the pre-shared key (for PSK) which is configured in the router, press the UP or DOWN buttons ▼▲ at each character position until the correct character is displayed. Press briefly to change one character at a time. Press and hold the button to change slowly at first then more rapidly as the button is held for longer. Move character position with the SKIP FWD ⏭ and SKIP BACK ⏮ buttons. When complete press OK. For button locations, see 'Front panel features' or 'Remote control - 1'



After inputting the key, , Select「Yes」to make a connection OR Select「No」to select other Access Points

- Find the correct encryption method, password and keys from the set-up menu of the router. You will need a computer and you will have to study the router instructions for how to do this, however the router control interface is usually accessible through the Internet browser on the PC by entering http://192.168.2.1/ in the address bar. When you know the settings of the router, we recommend using the wireless network set-up menu described in section 11.4 of this manual.

- This audio system is compatible with wireless security types WEP 64-bit, WEP 128-bit and WPA with PSK (pre-shared key), but it is not compatible with WPA2 or AES encryption. You may have to change the encryption settings of the router to allow the audio system Internet link to work.

- As an extra security measure, a wireless router may be set so that it does not broadcast the access point name, or SSID, so this name will not appear in the 'Choose AP' list. You must change the SSID mode of the router to 'broadcast' to work with this audio system.

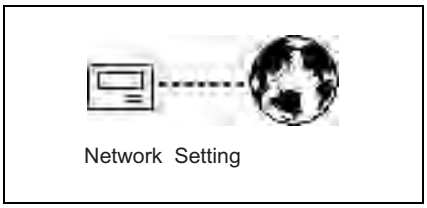
- If you change router settings, always save the new settings and re-boot the router either by its control interface or by unplugging the power for a few seconds

Normal start-up sequence after connecting mains power

After connecting mains power for the first time and getting the network working properly, the audio system normally starts up as follows:

Connect mains power and the Internet Radio logo appears.

The audio system looks for the network device it expects to find.

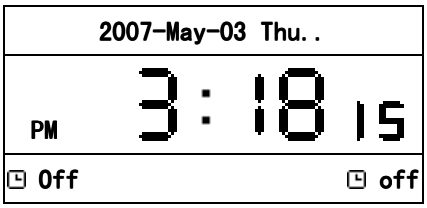


Automatic configuration takes place.

Time is set automatically from an Internet time server.

It may take up to 30 seconds or so to finish this start-up process.

You must set the world time zone in order to display the correct time !
- see Section 11.1, 'Setup' - Date and time'.



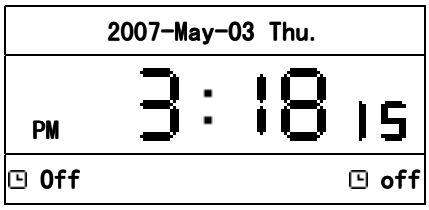
When the start-up sequence is complete, the unit goes to stand-by mode.

2.3 Power On

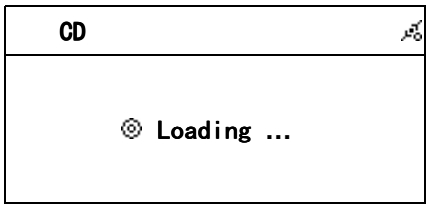
After you switch on mains power and network configuration has finished as described on the preceding page, the audio system will have gone on stand-by.

Press the STANDBY button to switch on the system.
Each time the system will search for USB drive, memory card and compact disc, during which time you will see 'Loading' on the display.

Press STANDBY again to put the unit back on stand-by.

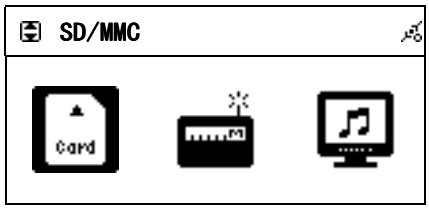


Press「Power」in Stand-By Mode

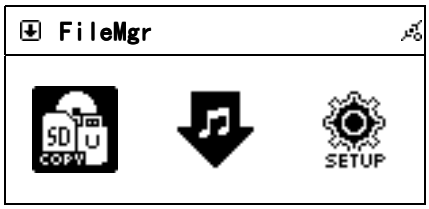


Audio sources checking

CD / Internet Radio / USB



SD/MMC / FM / Media Server



FileMgr / AUX / Setup

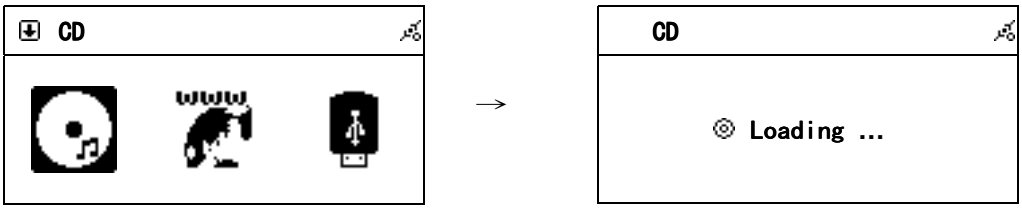
Press B.L. (Dim) to adjust the brightness

- You can adjust the brightness of the display backlight by pressing the DIMMER button on the remote.

Chapter 3 CD

3.1 Inserting a CD into the CD Tray

1. Press the open/close button to open the CD top cover.
2. Insert an Audio CD or data CD with MP3 or WMA files into the CD tray.
3. Press the open/close button again to close the CD top cover.
4. icon will show on the top of the display when a CD is detected.



Insert CD

After inserting a disc…

icon will show on the display.

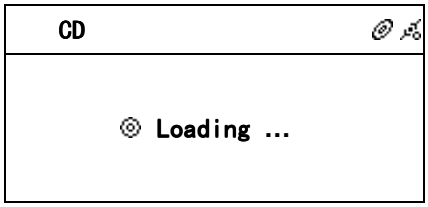
3.2 Getting CD Information

Providing the internet is working, the system will try to get album information for an audio CD from Gracenote Music Recognition Service, so that you can see album, artist and track titles on the display. You may start playing the CD before this information comes through. Such information is usually included in MP3 and WMA files.

1. After CD Loading, select icon from the main menu by pressing skip fwd ⏭ or back ⏮ Then press the 「SELECT/OK」 button to enter CD function.
2. icon will show on the display while obtaining CD information.
3. Track names will be listed on the display instead of track numbers after getting CD track information.

Press「SELECT/OK」

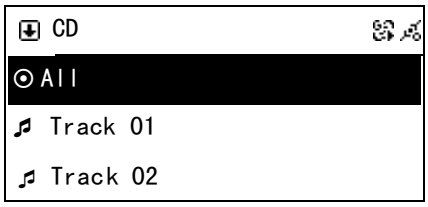
→



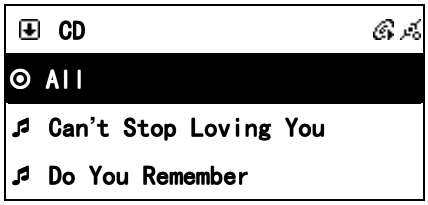
Processing

Connecting to Gracenote

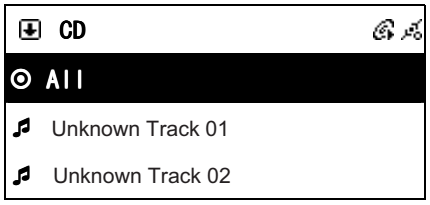
→



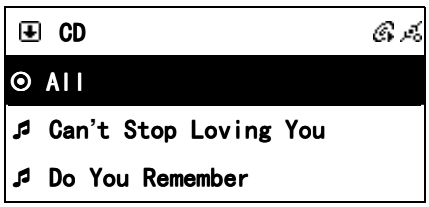
will show on the display



CD information obtained from Gracenote

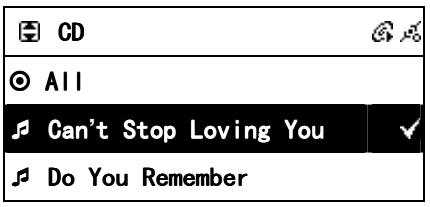


Shows 'Unknown' if information is not available

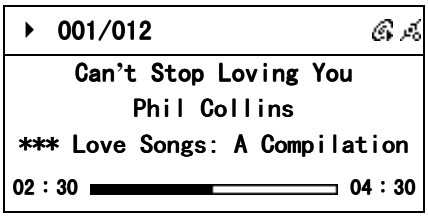


Select [All], then press PLAY or SELECT to play

or



Press「MEMORY」to make a check mark ✓, then press「PLAY」to play.



Music playing

3.3 Playing a CD

- The system will play audio CD and data CD containing MP3 and WMA files.
- For WMA and MP3 files the system can display static lyrics and synchronised lyrics (file types.txt /.lrc /.smi) - See 'Lyrics' in the 'Now playing' section...
- The system does not support MPEG 1 Layer 2 files.

There are two ways to play a CD.

A. **Playing all the tracks within the disc**

1. Highlight [**All**] (or scroll down to the first track or file name) by pressing up ▲ or down ▼ buttons.
2. Press「**PLAY**」or「**SELECT/OK**」button to play all songs.

B. **Playing selected tracks within the disc**

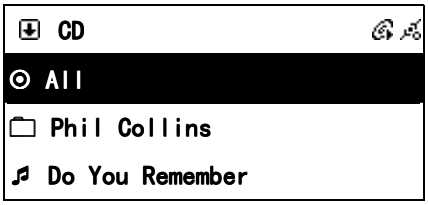
1. Scroll up/down to a track (or file) name by pressing up or down buttons, then press「**MEMORY**」button to make a check mark ✓.
2. Repeat Step 1 to select other tracks.
3. Press「**PLAY**」button once to play these marked songs.

C. **Playing one track within a folder or disc**

1. Scroll up/down to a track (or file) name by pressing up or down buttons then press「**MEMORY**」button to make a check mark ✓.
2. Press「**PLAY**」button once to play the marked song.

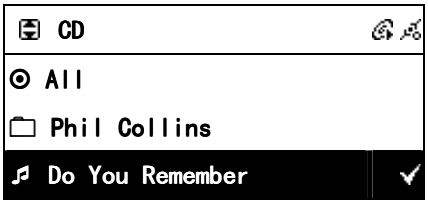
If you interrupt marked play, the CD continues playing after the last of the selected tracks.

- Press PLAY/PAUSE to suspend play temporarily or resume from the same point.
- Press SKIP FWD ⏭ to jump to the start of the next track or file.
- Press SKIP BACK ⏮ to jump to the start of the present track or file, or press twice to go to the start of
- Press and hold SKIP BACK or SKIP FWD to move rapidly backward or forward through the track the previous track.(audio will be muted but the display will show the elapsed track time changing quickly.)
- Press STOP/ESC to end play or step back up a menu level.

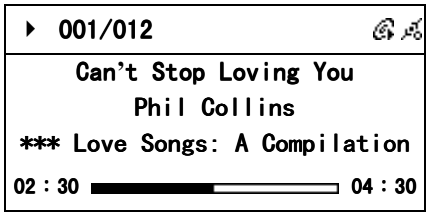


Select [All], then press PLAY or SELECT to play.

or



Press「MEMORY」, then press「PLAY」to play.



Music playing

3.4 CD Ripping

- 'Ripping' essentially means recording tracks from an audio CD and trans-coding them into media files like MP3 or WMA. You cannot therefore 'rip' an MP3 or WMA disc: use the audio system's 'File manager' (chapter 9) or a computer if you wish to copy files from a CD to USB drive or memory stick.
- Auto categorisation function will be activated when ripping a song to USB drive or SD or MMC memory card, so artist, track name, genre and similar information (if available), will be tagged to the music files.
- iPod will be updated after ripping a song to iPod.
- CD will not be recorded if the Audio CD is copy-protected.
- If the audio system cannot convert the source music into a file or if the memory space of the storage medium is less than 10MB it will stop recording.
- You can press the STOP/ESC button to stop the rip before it is complete.

3.4.1 Converting All the Tracks within the Disc

1. Insert an Audio CD into the CD tray.
2. Select icon from the main menu, then press 「**SELECT/OK**」button to enter CD function.
3. Highlight [**All**] with up ▲ or down ▼ button then press「**REC**」button to record.
4. If both USB Disk and SD/MMC Card are detected, press up ▲ or down ▼ to highlight a storage medium where you want to store recorded files, then press 「**SELECT/OK**」
   The audio system will display 'Preparing to rip', display the free memory space in the media and, if there is enough free space, it will start to record.
5. ● icon will show on the top row of the display when converting.

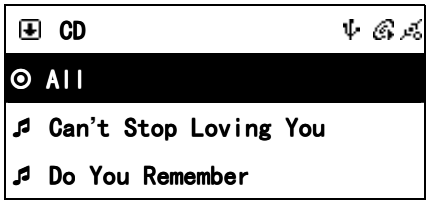
3.4.2 Ripping Selected Tracks from the Disc

1. Insert an Audio CD into the CD tray.
2. Select icon from the main menu, then press「**SELECT/OK**」button.

3. Scroll up ▲ or ▼ down to a track name, then press「**MEMORY**」button to make a check mark ✓.
4. Repeat the Step 3 to select other songs and then press「**REC**」button to record.Audio system will display 'Preparing to rip'.
5. If both USB Disk and SD/MMC Card are detected, scroll up/down to select a storage medium where you want to store recorded files, then press「**SELECT/OK**」The audio system will display 'Preparing to rip',display the free memory space in the medium and, if there is enough free space, it will start to record.
6. An icon will show on the top row of the display when converting.

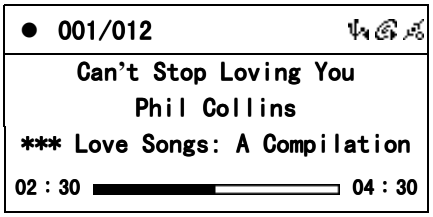
● If the memory space of a storage medium is less than 10MB, or if for any reason it has failed to convert, the audio system will stop recording.

●



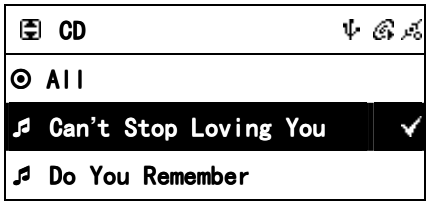
Select [All], then press「REC」to rip

→



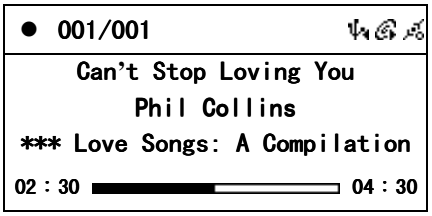
● icon will show on the display when ripping

or



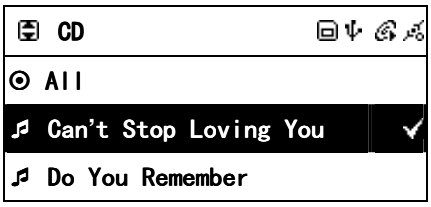
Press MEMORY, then Press REC to rip

→



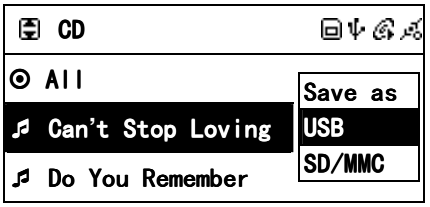
● icon will show on the display when ripping.

or



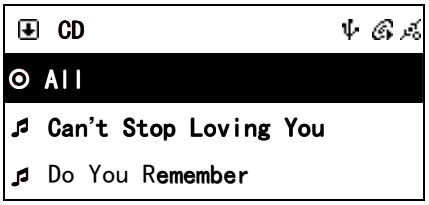
Press MEMORY, then Press REC to rip

→



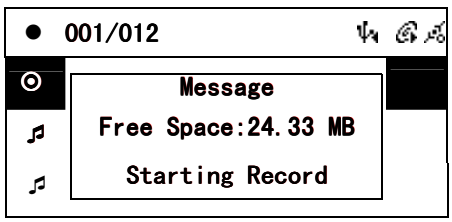
Select USB or SD/MMC if necessary.

or



Press「REC」to rip the whole CD

→



Checking the memory space of the storage medium

3.5 Now Playing

- The 'Now playing' functions are only available while a track or file is actually playing.
- The 'Now playing' functions are most easily operated by remote control, but you can press the SETUP button to change them using a menu display. Please see 'Menus' if you need to know how the menus work.

Pre-set sound equaliser and bass boost

You can only change the pre-set sound equaliser and bass boost during play.

Press the P-EQ button repeatedly to cycle through the sound equaliser modes. Each mode is shown with its corresponding indicator on the top row of the display: Normal (no indicator) → Classic ('Cls') → Jazz ('Jaz') → Pop ('Pop') → Rock ('Roc')

These equaliser modes can be combined with bass boost by pressing the X-BASS button: the top row of the display will then show Bass +Normal ('B-n') → Bass+Classic ('B-C') → Bass+Jazz ('B-J') → Bass+Pop ('B-P'), → Bass+Rock ('B-R').

Repeat mode

Set the repeat mode by pressing the REPEAT button to cycle through the repeat modes. Corresponding indication on the top row of the display is shown in brackets:

Normal (no indicator) → Repeat One ('One') → Repeat All ('All')

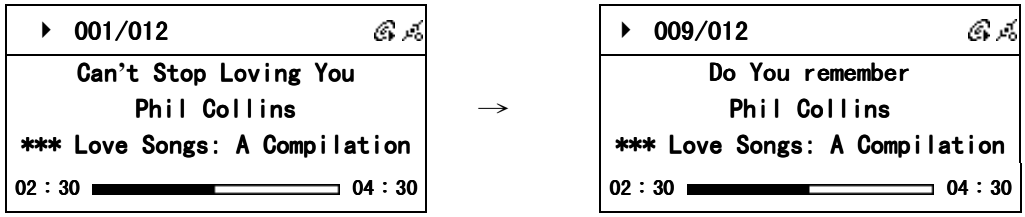
A-B Loop

1. Press「**OK**」to set the starting point A when playing. An A icon will show on the top row of the display.
2. Press「**OK**」again to set the end point B. The system will now repeatedly play between the marked points. An AB icon will show on the top row of the display.
3. Press「**OK**」again to stop repeating the A-B loop.
   The AB icon will disappear.

- The A-B loop time for music playing must be at least 5 seconds.

Random play

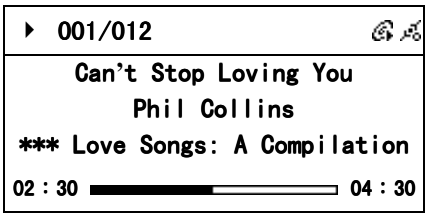
Press RANDOM on the remote during music play or press SETUP then select 'Play mode' and 'Shuffle' from the displayed menu. All tracks in the current album, folder or disc will be played in random order.



Press NUMBER buttons on the remote control.

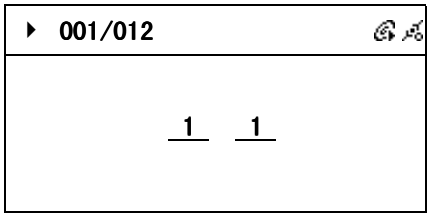
Jump to the track automatically.

or



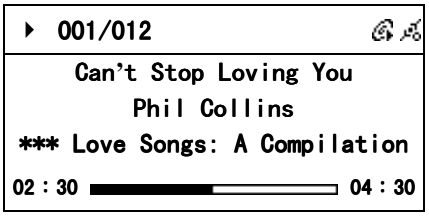
Press -/-- button on the remote control.

→



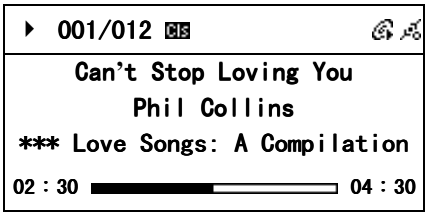
Input a track number to jump to the track quickly.

or



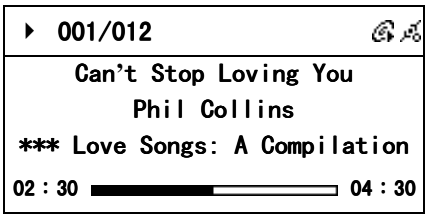
Press EQ to change equalizer.

→

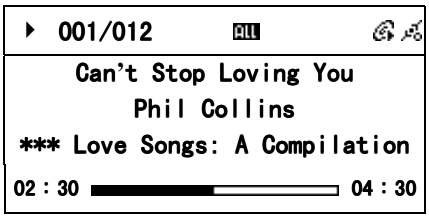


The EQ icon will show on the display

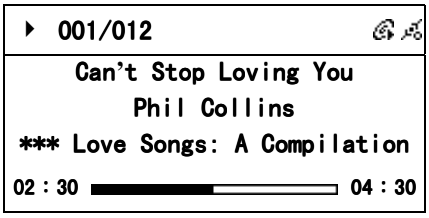
or



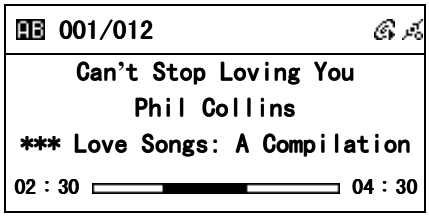
Press REPEAT to change play mode.



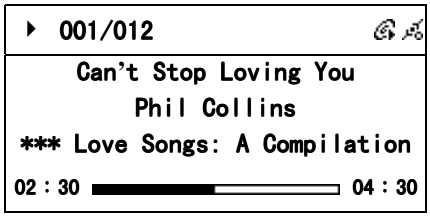
The Repeat icon will show on the display.



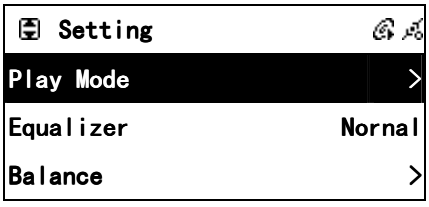
Press 「SELECT /OK」to set A when playing.



Press 「SELECT /OK」again to repeat A-B loop.



Press SETUP when playing.



Select a function.

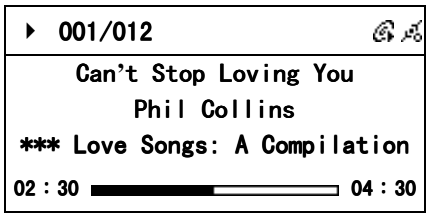
3.6 Lyrics

- Supports static lyrics and synced lyrics (.txt /.lrc /.smi).
  1.MP3 – ID3V2 Embedded Lyric、 .Lrc、 .Txt
  2.WMA – Embedded Lyric、 . Smi、 .Txt

- Edit lyrics for your MP3/WMA files if necessary.

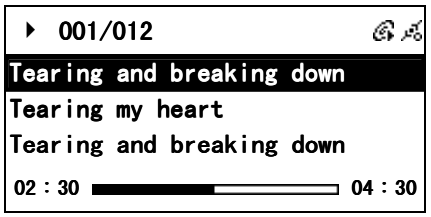
Adding static lyrics is easy: just create a text file with the same name as the song, using 'Notepad' or a similar application using your PC. Copy the lyrics into it from one of the many on-line sources of lyrics.

.



Press INFO when playing.

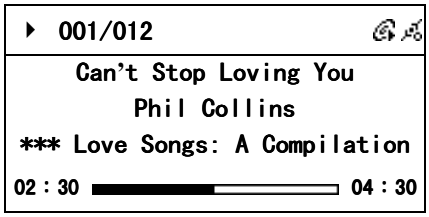
→



The lyrics will show on the display.

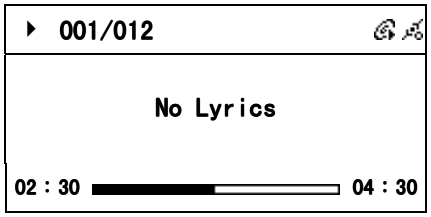
▲ ▼

or



Press INFO when playing.

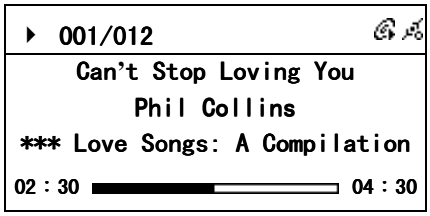
→



No lyrics available

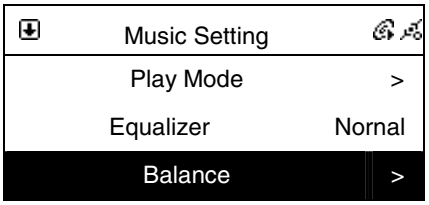
3.7 Balance

- Balance changes the sound output of one speaker relative to the other.

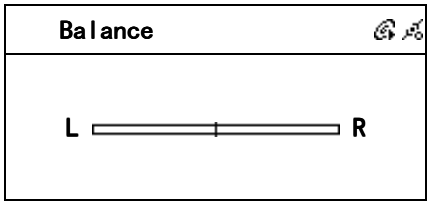


Press「Setting」when playing

→



Press SETUP.
Highlight 'Balance' with up ▲ or down ▼ buttons.
Press OK.



Press Left/Right button to modify the output

Chapter 4 Internet Radio

4.1 Introduction

Internet radio is an audio broadcasting service transmitted via the Internet. By using internet radio devices, listeners receive a continuous stream of audio from internet radio stations. This audio system supports World Stations and SHOUTCast.

- SHOUTCast (http://www.shoutcast.com)

Today most traditional FM radio stations in the world offer on-line radio services or programs. The audio system connects to those on-line radio services, categorises the stations by country, and sorts them into a World Station list. This makes it easy to find a particular radio station.

4.2 World Station

System requirements:

We strongly recommend connecting with a broadband router to have better quality audio streaming (if the audio data arrives too slowly, playback will have gaps.)

Please note, Internet Radio does not support PPPoE(with ADSL) or ISP Proxy servers.

- If there is no internet connection on your system, the Network Wizard will be automatically activated when you select Internet Radio. Please see the network connection and set-up instructions elsewhere in this manual, and the trouble-shooting guide if necessary.

4.2.1 Listen to World Station

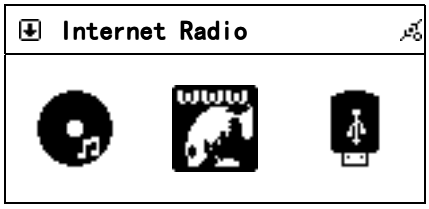
- Press MENU, then highlight with the skip fwd button ⏭ and press「**SELECT/OK**」.
- Highlight [**World Station**] with up or down buttons ▲▼ then press「**SELECT/OK**」
- Highlight a station with up or down buttons ▲▼ then press「**SELECT/OK**」to play it.
- You will hear music after buffering reaches 100%.
- Stop play and step back up a menu level with [STOP/ESC].

Note 1：To scroll faster though the list of Internet radio stations, press ⏭ or ⏮ button to jump to the next or previous page of the list.

Note 2：Press「INFO」to show the total number of internet radio stations in a particular country and the number of the one you have selected.

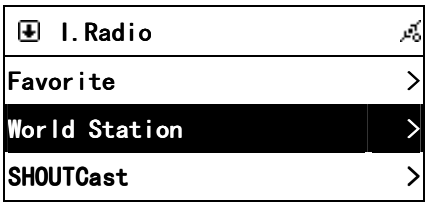
Listening to Internet Radio

Use the up and down buttons ▲▼to move the highlight and and [OK] button to confirm.

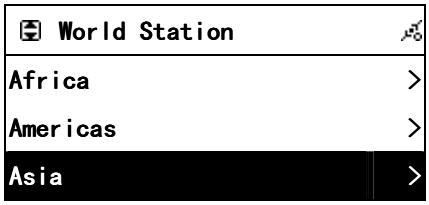


Choose Internet Radio

→

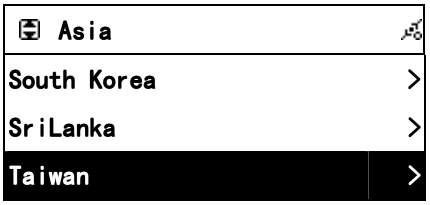


Choose World Station

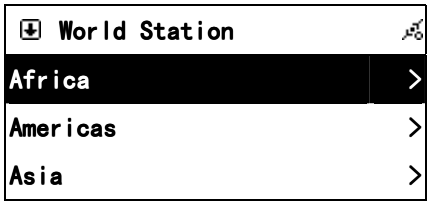


Categorised by Area

→

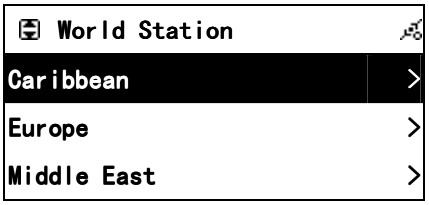


Categorised by Country

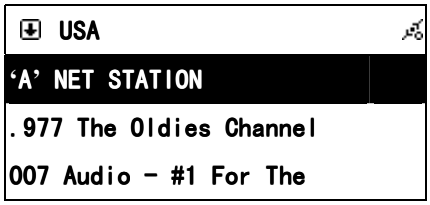


Press ⏭/⏮ button to scroll faster

→

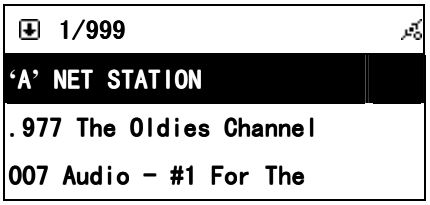


The name of Radio stations change alphabetically

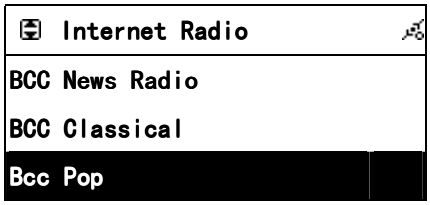


Press「INFO」

→

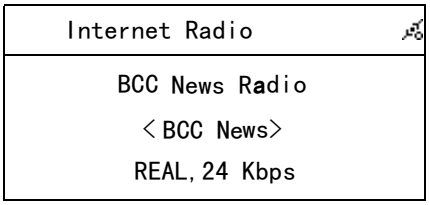


The number of radio stations will show on the display.



Categorised by Radio Station

→



It shows the format and bitrates when Playing

4.3 SHOUTCast

4.3.1 Listen to SHOUTCast

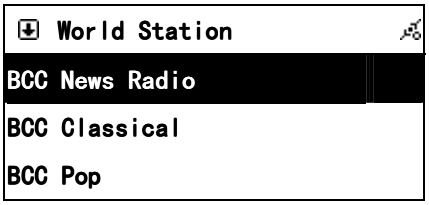
- Press [MENU] , highlight with the skip fwd button ⏭ and press「**SELECT/OK**」.
- Highlight [**SHOUTCast**] with the up or down buttons ▲▼ then press「**SELECT/OK**」.
- Highlight a letter (A, B, etc.) with ▲▼ and press「**SELECT/OK**」
- Highlight a genre with ▲▼ and press [SELECT / OK].
- **Highlight a station with ▲▼** and press [SELECT / OK].
- You will hear music after buffering reaches 100%

Note 1：Press「INFO」to show the total number of radio stations in the category you are browsing.and the number of the one you have selected.

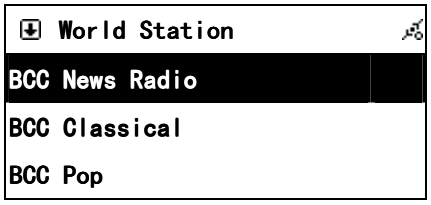
4.4 Add/Delete a Radio Station to your Favourites

NOTE：The maximum number of favourites than can be memorised is 20.

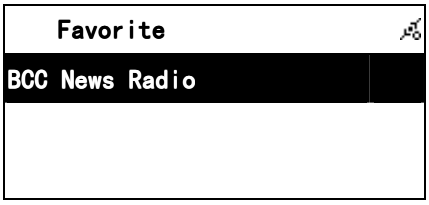
- Press up or down buttons ▲▼ to highlight the station you want to add to the favourites list.
- Hold「**SELECT/OK**」button for 2 seconds and the highlight bar will blink twice.
- Or you can add a station into 'Favorites' by pressing「**MEMORY**」when playing
- To delete an internet radio station from the favourites list, highlight the radio station you want to delete and hold「**SELECT/OK**」for 2 seconds. Choose [**Yes**] with left / right ⏭ ⏮ buttons and press [SELECT/OK] to confirm the deletion.
- The display will inform you if a station you try to add into the favourites list already exists.
- It may use more than 1 storage space if the radio station information is extensive.



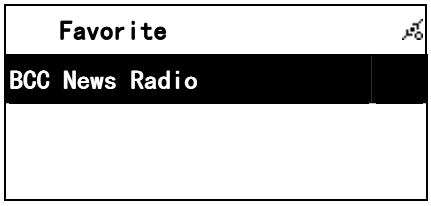
Press「SELECT / OK」for 2 sec, or「MEMORY」



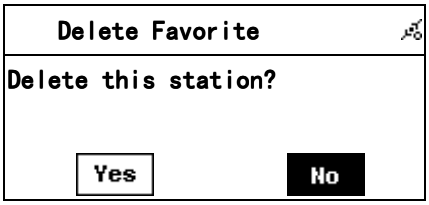
Rolling bar blinks twice



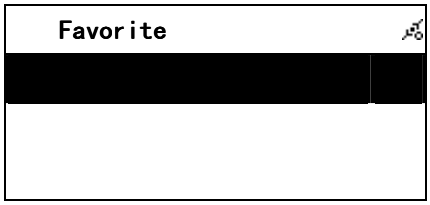
Adding a station into 'Favorite'.



Hold「SELECT/OK」2 seconds to delete a station



Confirm



Choose「Yes」then press「SELECT/OK」to delete

4.5 Internet Radio Recording

Note 1: The recording quality depends on the broadcast quality of the internet radio station.

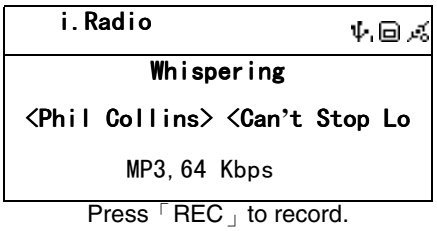
Note 2: The broadcast audio stream format is shown on the display when the station is playing. Audio streams can only be recorded if they are in MP3 format. Attempting to record stations broadcast in WMA or REAL format displays the message 'No Support to Record'.

4.5.1 Both USB and SD/MMC Storage Media are Ready

1. Press up/down ▲▼ to highlight a station and then press「**SELECT/OK**」button to play.
2. Press「**REC**」button to record.
3. If both USB Disk and SD/MMC Card are detected, press up / down ▲▼ to highlight the one you want to record on, then press 「**SELECT/OK**」to start recording.
4. ● icon will show at the top of the display when recording.
5. Press「**STOP/ESC**」to stop recording.

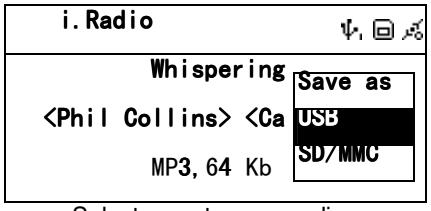
4.5.2 Only One Storage Medium is Ready

1. Press up/down ▲▼ to highlight a station and then press「**SELECT/OK**」button to play.
2. Press「**REC**」button to record.
3. ● icon will show at the top of the display when recording.
4. Press「**STOP/ESC**」to stop recording



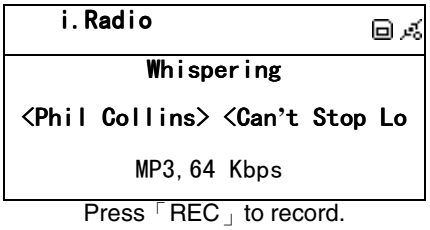
Press「REC」to record.

→



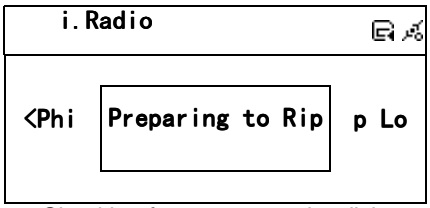
Select one storage medium.

or

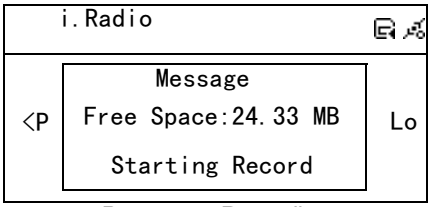


Press「REC」to record.

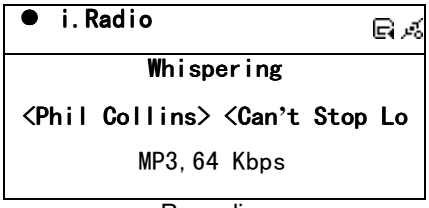
→



Checking free space on the disk.



Prepare to Recording



Recording

- Please also read 'Chapter 5, Playing songs on USB drive or Memory card' and 'Recording folders'.

Chapter 5. USB drive and memory card

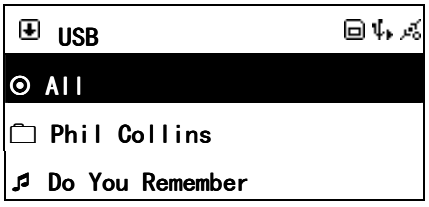
5.1 Playing Songs on a USB Drive or Memory Card

1. Insert a USB drive with MP3/WMA audio files into the USB port on the front.
   or
   Insert a SD or MMC memory card with MP3/WMA audio files into the SD/ MMC card slot port on the front, label side up, contacts down.

2. icon will show on the top row of the display when a USB drive is detected.
   icon will show on the top row of the display when a memory card drive is detected.

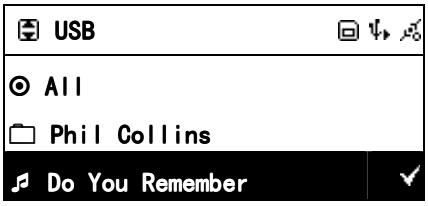
3. For USB, press [MENU] and highlight the USB icon with the up ▲, down ▼, left ⏮ and ⏭ right buttons, then press [SELECT/OK]. For memory card, highlight the memory card icon and press [SELECT/OK].

- Highlight a song, folder or [⊙ All] with up/down buttons ▲▼ , then press「**PLAY**」to play.
  To play a selection of songs in a folder: Press「**MEMORY**」button to make a check mark ✓
- Stop play and step back up a menu level with [STOP/ESC].

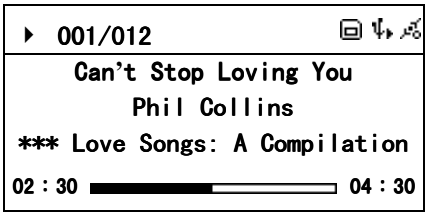


Press「PLAY」button

or



Press「MEMORY」to make a check mark ✓, then press「PLAY」to play.

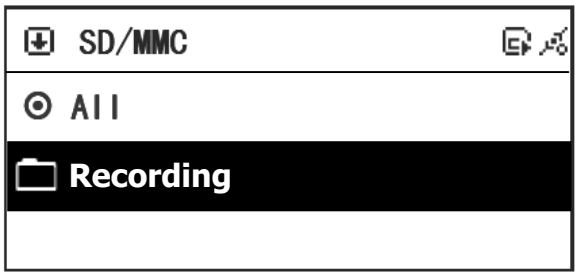


- 'Recording Folders', which follows, explains in more detail how to find recordings made on USB drive or memory card (SD/MMC) from CD, World Radio, ShoutCast, Internet radio favourites, FM radio and auxiliary input.

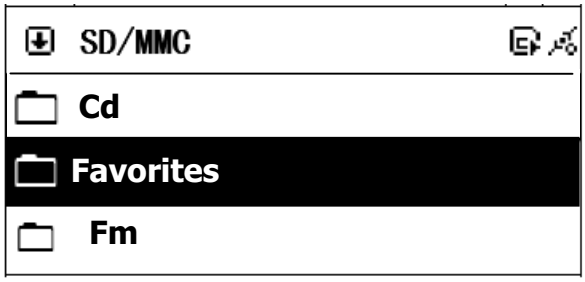
5.2 Recording Folders

When the audio system makes a recording it creates a folder structure on the media chosen for the recording. The folders are named according to the source of the recording, for example if you made a recording of an Internet radio station stored in 'Favorites', the recorded file would appear in the 'Favorites' folder.

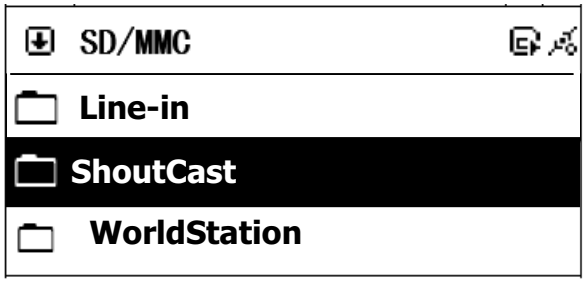
Press down button ▼ to highlight 'Recording', then press [SELECT/OK]



Press down button ▼ to highlight chosen folder.

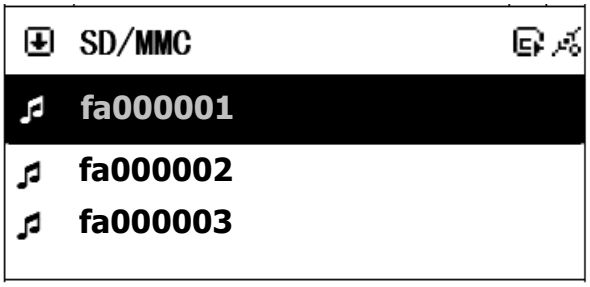


Press down button ▼ to scroll highlight down to next page of folders, if required. Press [SELECT/OK] to open folder.



- Step back up a menu level with [STOP/ESC].

Press down button ▼ to highlight chosen recording, then press [SELECT/OK] to play it.



Chapter 6. i-Pod

6.1 Apple i-Pod Support

6.2.1 Supported iPod Models

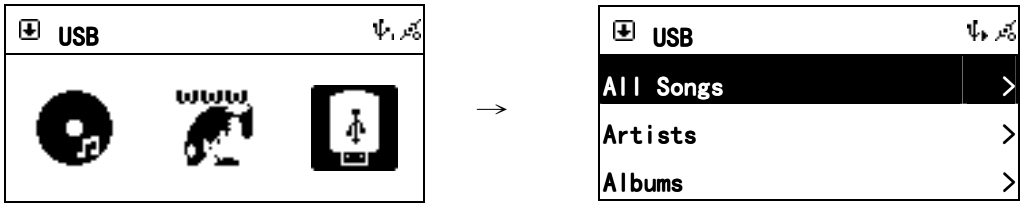
iPod	iTunes Version	USB
iPod 3G	7.3.1.3	Internet Radio iPod List OK
iPod Shuffle		Internet Radio iPod List OK
iPod nano		Internet Radio iPod List OK
iPod Video		Internet Radio iPod List OK

Note : If your iPod is not compatible, please try '7.9 Firmware upgrade' to upgrade the firmware of this audio system.

6.2 Playing Songs on Apple i-Pod

1. Connect the Apple iPod with the i-Pod USB cable to the USB port on the front of the system.
2. icon will show at the top of the display when the i-Pod is detected.
3. Press [MENU] and highlight the USB icon with the up ▲, down ▼, left ⏮ and ⏭ right buttons, then press [SELECT/OK].
4. Highlight a category such as 'All songs', 'Artists' or 'Albums'. Press [**SELECT/OK**] to open the category. Navigate to the song you want by pressing up ▲ ,down ▼ and [**SELECT/OK**].
5. Play the highlighted song by pressing「**SELECT/OK**」.

- Stop play and step back up a menu level with [STOP/ESC].



Highlight [USB], then press SELECT.

Browse by songs, artists or albums.

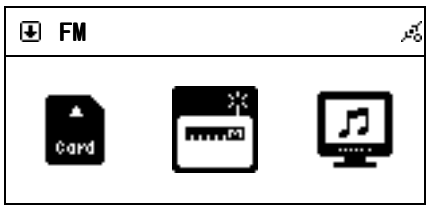
If you see this message, please do online upgrade (Chapter 7.9) to get the newest firmware.

- Play of some songs may be prevented by limitations imposed by a software license. For example, the license may only allow the song to be played on the i-Pod. The terms of the license will be determined by your i-Tunes account.

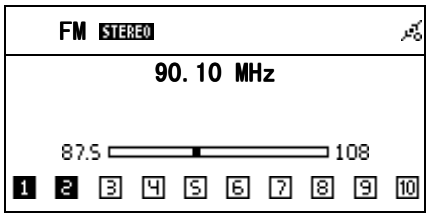
Chapter 7 FM Radio

7.1 Listening to FM Radio

- Press [MENU] and highlight the icon with with the up ▲ , down ▼, left ⏮ and right ⏭ buttons. Press「**SELECT/OK**」to start the FM function. Make sure the FM aerial is connected !
- Stop play and step back up a menu level with [STOP/ESC].



Press「SELECT/OK」



FM Radio

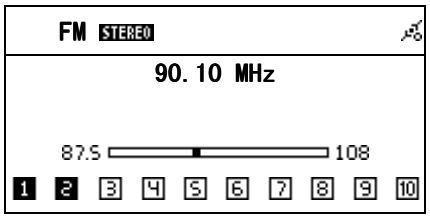
7.2 Tuning the FM Frequency

- Press「⏮」button briefly to decrease frequency by 0.05MHz.
- Press「⏭」button briefly to increase frequency by 0.05MHz.

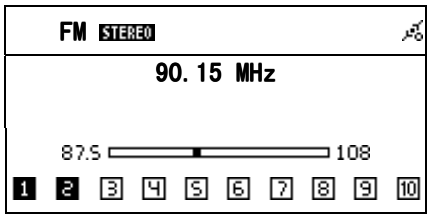
Press and hold the button to change frequency rapidly.

Auto search mode will be activated by holding the button for more than one second then releasing it. Auto search will keep tuning until it finds a signal, then stop. If it is a bad signal or not the one you want, press and hold the button for another second to resume auto search. You can press [**STOP**] to stop auto-search.

Right [⏭] button scans up (87.5MHz to 108MHz and left [⏮] button scans down (108MHz to 87.5MHz).



Press ⏭ or ⏮ to adjust frequency

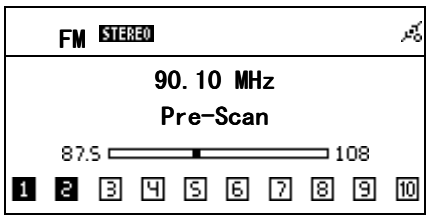


Increase/decrease 0.05MHz per step

7.3 Auto-scanning for FM Stations

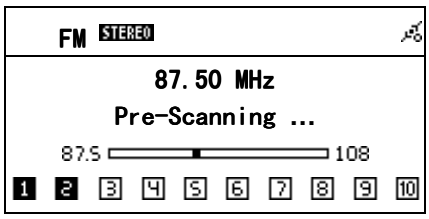
1. Go to [**FM**], press and hold「**SELECT/OK**」until "Pre-Scanning" shows on the display. Or you can press the「**AUTOSCAN**」button on the remote.
2. The unit will automatically find and store broadcasting FM radio station frequencies in up to a maximum of ten 'channel' memories.
3. To save your favourite radio stations individually, please see '7.4 Manually Pre-setting FM stations'.

.

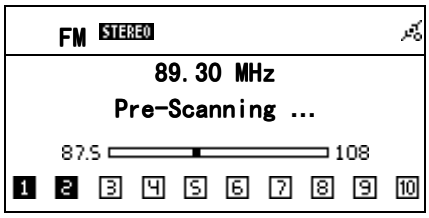


Press and hold「SELECT/OK」until "Pre-Scan" shows on the display.

→

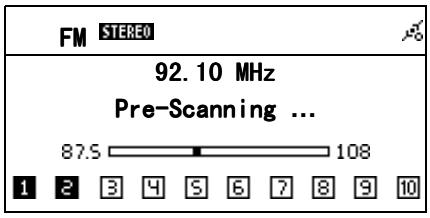


Release「SELECT/OK」button to start scanning all active radio stations from 87.5MHz.

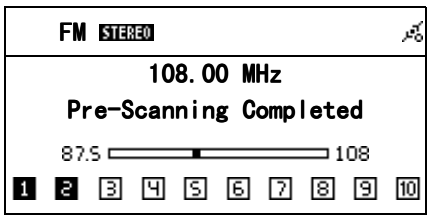


Finding an available radio station

→

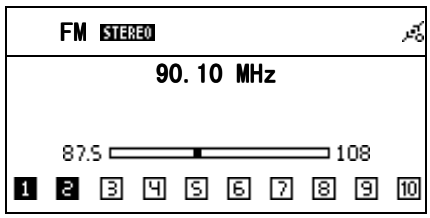


Finding an available radio station



Prescanning completed

→



Press「PLAY」to listen to the radio stations that have been found by prescanning

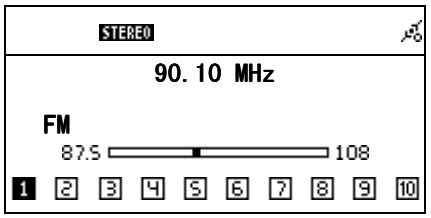
7.4 Manually Pre-setting FM Stations

1. This audio system has ten FM pre-set station memories. These can be manually set in two ways while you are listening to a station, or they can all be automatically set using the 'Autoscan' function described in section 7.3

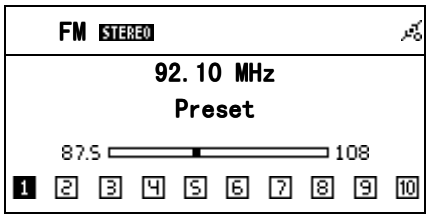
2A. Find a radio station and press a number button on the remote control for about one second. This will add a radio station into preset memory 1 . (Press number [2] for memory 2 and so on. Press number [0] for preset channel 10).
If over-writing previous data in the preset memory, you will see 'Overwrite ?' on the display 'Highlight 'Yes' with left button ⏮ and press [SELECT/OK] to proceed, or 'No' to abort.
OR

2B. Find a radio station and press the [MEMORY] button. While 'CH #' is flashing in the display, press left ⏮ or right ⏭ button to change memory number. After about five seconds 'CH #' stops flashing and the station data is stored, over-writing any previous data. Otherwise press [SELECT/OK] to store the station: now if over-writing previous data you will get a 'Yes' or 'No' choice to proceed.

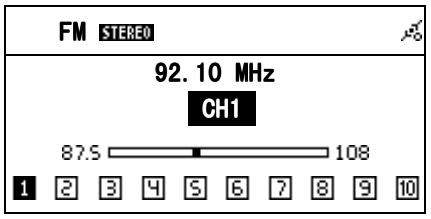
The channel memory number icon on the display will change to a light background to confirm storage.



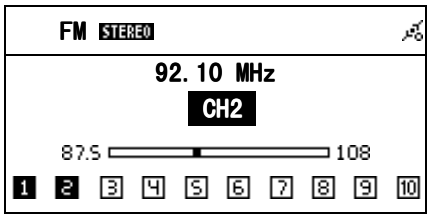
Press ⏮ or ⏭ to find a frequency you want to store



Press 「MEMORY」 button and then “Preset” will show up



CH1 icon will flash on the display.

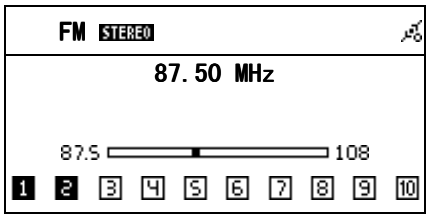


Press ⏮ or ⏭ to find a channel, and press 「SELECT/OK」 button to store

7.5 Listening to a Preset Station

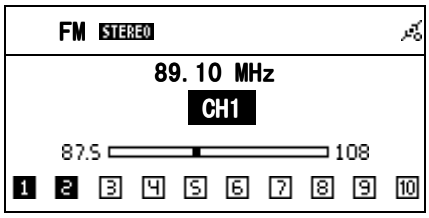
- In FM mode, press number buttons [1]-[0] on your remote control to play the stations in pre-set channels 1 to 10.
  Or
- Press up ▲ or down ▼ to select a pre-set channel

.

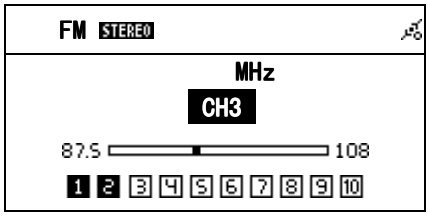


Radio Playing

→



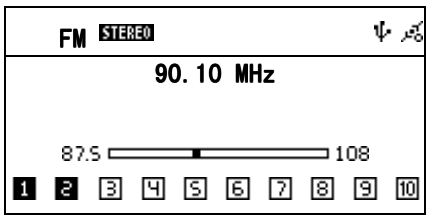
Press up /down 「 ▲ ▼ 」 to change pre-set.



You haven't pre-set a frequency for this channel yet
The audio system won't let you select a pre-set that has nothing stored in it, unless you press [SELECT/OK] then ⏮ or ⏭ buttons. This mode only lasts for about five seconds, during which 'CH#' is highlighted.

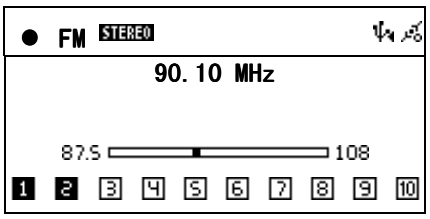
7.6 Recording from FM

• Press 「**REC**」 when listening to FM



Press ⏮ or ⏭ to adjust frequency
or ▲ ▼ to change pre-set.

→



Press 「REC」 to record

- Recordings made from FM radio are saved in 'Recordings' - 'FM' folder on memory card or USB drive. Please see '5.2 Recording folders' for more detail of how the audio system organises recordings.

Chapter 8 Media Server

You need to download and install the application program on your computer which will make it work as a media server. When everything is connected and correctly set up, you can browse the music files and play them with the audio system using the UPnP function.

8.1 Supported Media Server programmes

Download and install one of the following media server programmes

- WMP11(Windows Media Player 11) (Running under Windows XP with Service Pack 2 or Vista Premium 32 bit)
- Rhapsody URL：http://www.rhapsody.com/welcome.html
- TwonkyMedia URL：http://www.twokyvision.com/
- MediaTumb (for Linux platform) URL：http://mediatomb.cc/

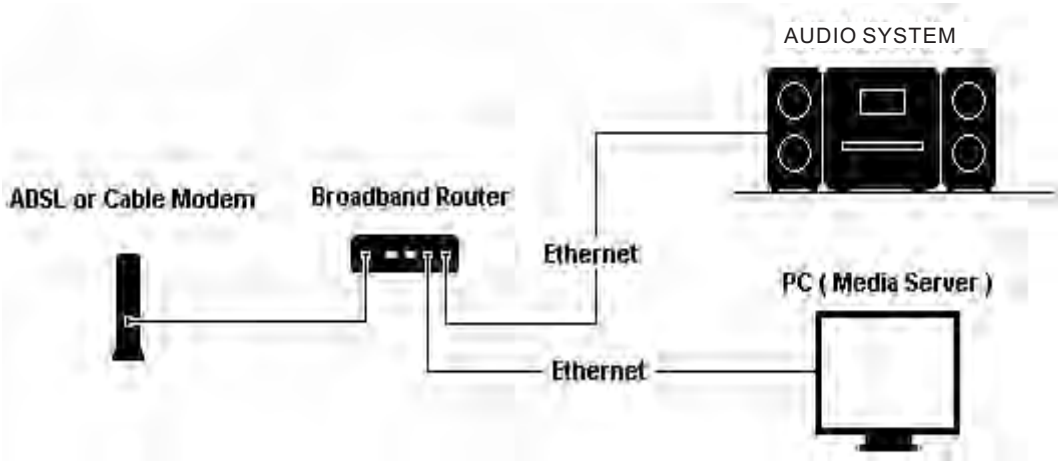
NOTE: Making TwonkyMedia work normally, ID3v2 tags may need to be edited.

8.2 Setting Upnp Environment

- Make sure the media server programme you have chosen is running on the computer.
- Computer'firewalls' usually block UPnP connections. To allow the connection you will need to create an entry for UPnP, and the mdeia server programme, in the 'exception list' of the firewall. Please read the local and on-line help menus for how to do this (for example press F1 key in Windows XP or Vista).
- Disable the Proxy function in the network set-up menu of the audio system.
- Some routers have built-in firewalls. As with the computer firewall, you may have to modify the router's security settings to allow UPnP connection. Please see the router instructions for how to do this.

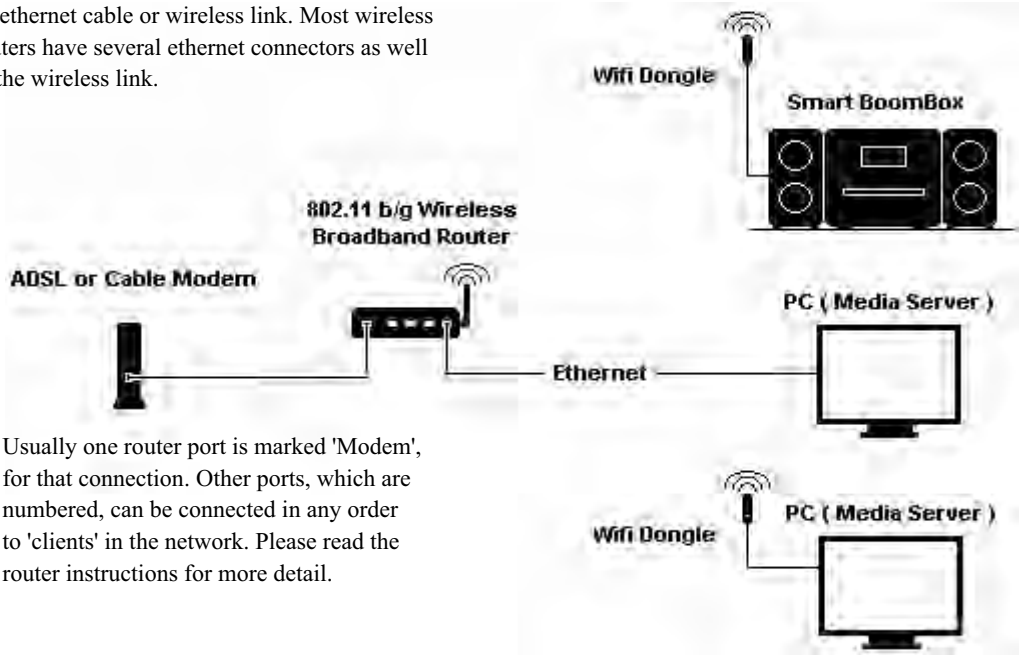
8.2.1 Connecting up the UPnP network

- The audio system and the UPnP Media Server must be on the same local network.



UPnP network with wired and wireless connections

- You can have several media servers, connected by ethernet cable or wireless link. Most wireless routers have several ethernet connectors as well as the wireless link.

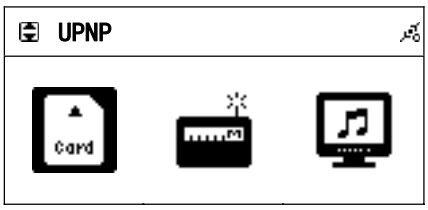


- Usually one router port is marked 'Modem', for that connection. Other ports, which are numbered, can be connected in any order to 'clients' in the network. Please read the router instructions for more detail.

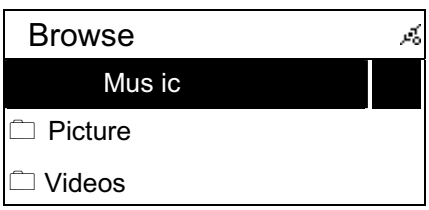
8.3 Playing Songs on the UPnP Media Server

1. Start the computer and Media Server programme.
2. Start the audio system and allow the network connection to establish. Please see section 11.4.1 about network state indications on the audio system display.
3. Highlight the UPnP icon from the main menu and press 「**SELECT/OK**」 to enter the Media Server function.
4. Press up ▲ or down ▼ button to highlight one of the available media servers. and press [SELECT/OK] to open it.
5. Highlight a category. Press [SELECT/OK] to open the category. Navigate through categories and albums to the song you want to play by pressing up, down and [SELECT/OK] buttons.

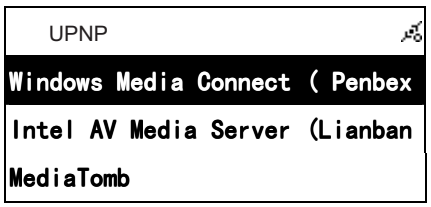
- You can press PLAY/PAUSE to play a whole album (but not a whole category).
- Step back a menu level with [STOP/ESC].



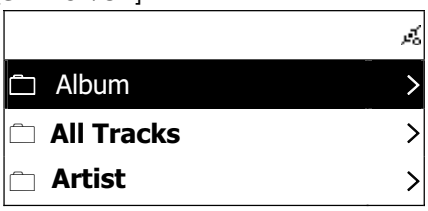
Press MENU. Highlight UPnP icon with ⏭ or ⏮ and press「SELECT/OK」



Highlight a folder, then press 「SELECT/OK」 to open it.
(You can only open music files.)



Highlight a server with ▲ or ▼ then press [SELECT/OK]



Highlight a category with ▲ or ▼ and press [SELECT/OK] to open it. Navigate to the song or album you want with ▲ or ▼ and press [SELECT/OK] or [PLAY/PAUSE] to play it.

Chapter 9 File Manager

9.1 Copy/Move Files to an USB Disk or SD/MMC Card

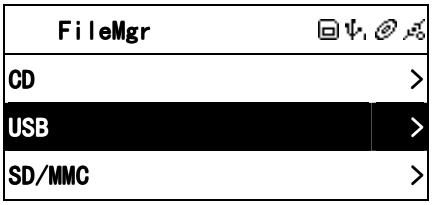
- ▲ ▼

1. Insert a CD-ROM (data CD, USB drive or SD/MMC card.
2. Highlight icon from the main menu, then press 「**SELECT/OK**」 button to enter File Manager function.
3. Scroll up/down to [**CD**], [**USB**] or [**SD/MMC**], then press 「**SELECT/OK**」 button to enter.
4. Scroll up/down to a file or folder, then press 「**MEMORY**」 button to make a check mark ✓. You can select more than one file.
5. Press 「**REC**」 button and highlight [**Copy**], [**Move**] or [**Delete**], then press 「**SELECT/OK**」 button to confirm. icon will show on the display.

- You can only copy files from a data CD so only 'copy' is displayed.

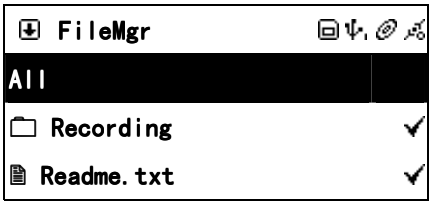
6A. If you confirmed move or copy the file or folder, navigate to the new location. Press 「**REC**」 button again and highlight [**Paste**], then press 「**SELECT/OK**」 button to paste the file in the new location.

6B If you confirmed delete the file or folder, highlight 'Yes' to proceed or 'No' to abort and press [SELECT/OK].

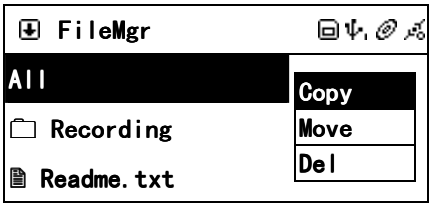


Select [USB], then press 「SELECT/OK」

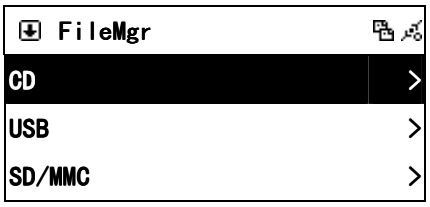
or



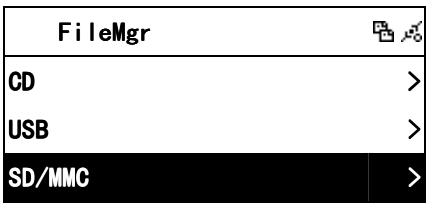
Select a file or folder, then press 「MEMORY」.



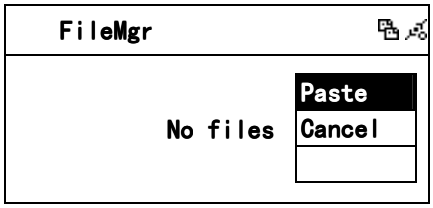
Press 「REC」, then select a function.



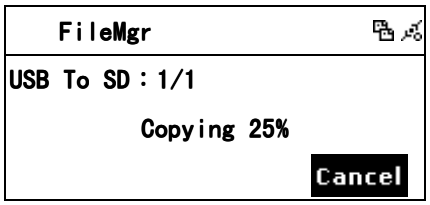
icon will show on the display.



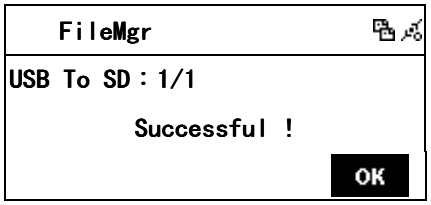
Select a target directory.



Press 「REC」 again to paste.



Copying files



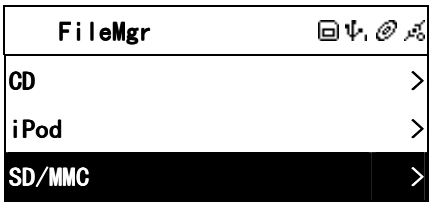
Copy or move finished successfully.

9.2 Copy/Move Files to iPod

▲ ▼

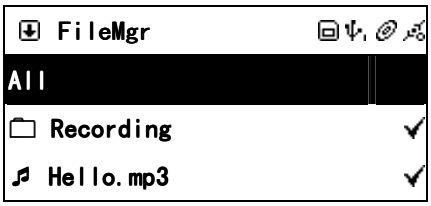
1. Insert a CD-ROM (data CD) or SD/MMC card. Connect an i-Pod to the USB port.
2. Highlight icon from the main menu, then press「**SELECT/OK**」button to enter File Manager function.
3. Scroll to **[SD/MMC]** or **[CD]** and then press「**SELECT/OK**」button.
4. Scroll to a MP3 file or folder, then press「MEMORY」 button to make a check mark ✓. You can select more than one file.
5. Press「**REC**」 button to select [**Copy**] , [**Move**] or [**Delete**], then press 「**SELECT/OK**」button to confirm. (Only 'copy' is available for CD.)
   - icon will show on the display.
6. Scroll to [**iPod**], then press「**SELECT/OK**」button.
   Display shows 'Add MP3 to iPod ?' so you can confirm or abort the operation.
7. Scroll to [**Yes**] then press「**SELECT/OK**」button to paste.
8. After finishing, the iPod music list will be updated.

NOTE: You can only copy or move MP3 files **to** the i-Pod. If you try to open the i-Pod to copy or move a file **from** it, the system will warn you 'Select MP3 first !'

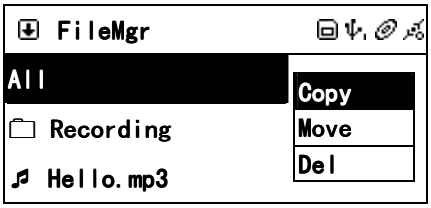


Select SD/MMC or CD

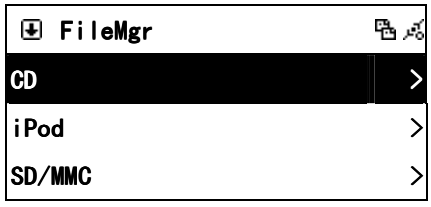
or



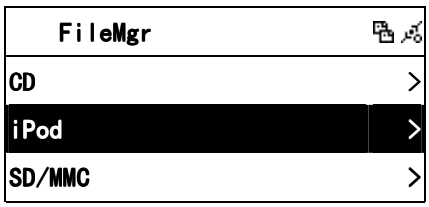
Select a file or folder, then press「MEMORY」



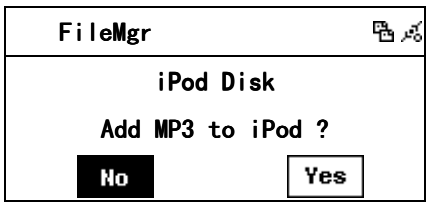
Press「REC」, then select a function.



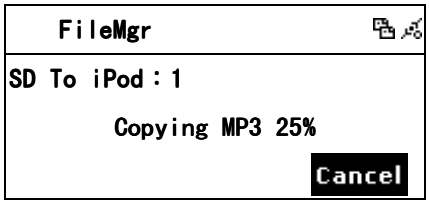
icon will show on the display.



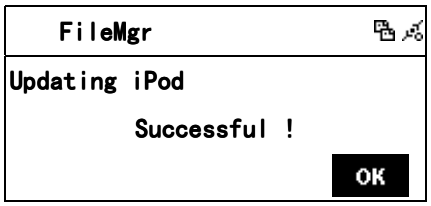
Select iPod



Select YES to start file copy or move



Copying Files



Copy or move finished sucessfully.
Press [SELECT/OK] to resume file manager menu.

If you see this message, please do online upgrade (Chapter 7.9) to get the newest firmware.

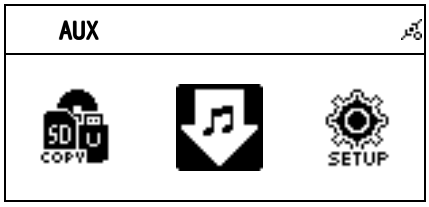
Chapter 10 AUX

10.1 AUX Mode

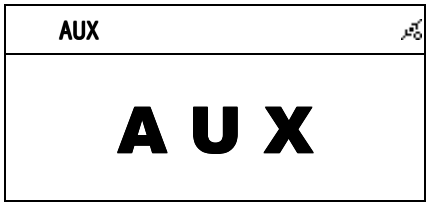
This audio system can accept sound from different audio sources (such as MP3 Player, Discman, or Bluetooth audio receiver) by connecting with a 3.5mm stereo audio input cable to the 'AUX' socket on the back.

1. Scroll to the icon in the main menu and press [SELECT/OK] button to enter, or press [AUX] button on the remote. AUX will appear on the display.
2. Play the audio source. Adjust volume and equaliser on the audio system as you require.

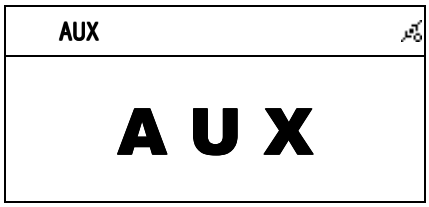
- Highlight, scroll or navigate with the up ▲ and ▼ down buttons. Step back a menu level with [STOP/ESC]. Confirm with [SELECT/OK].



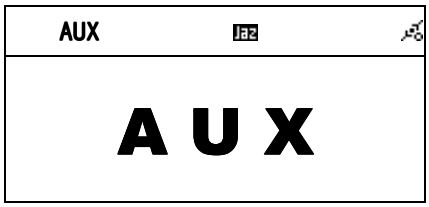
Select [AUX] and press「SELECT/OK」



Enter AUX Mode



In AUX mode, volume and P-EQ are adjustable

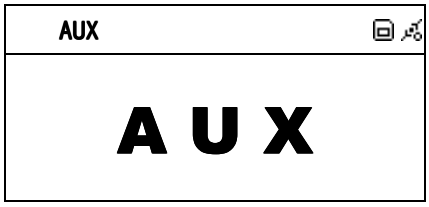


Adjusting EQ

10.2 Recording in AUX Mode

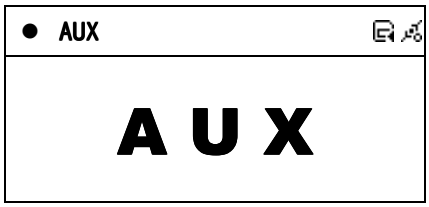
1. Connect up audio source and select 'Aux' mode as described in 10.1 above.
2. Get the audio source ready to play.
3. Press「**REC**」
4. The system displays 'Save to ... SD/MMC or USB'. Highlight the destination for the recording and press [SELECT/OK].
5. The system displays 'Free space...MB .. Starting to record'. Recording starts as the recording indicator appears at top left of the display. Play the audio source just after recording starts, so that you do not cut the beginning of the recording.
6. Press「**STOP/ESC**」to stop recording.The system briefly displays 'Update library'.

- Recordings will be placed in the 'Recordings' - 'Line-in' folder on the USB drive or memory card. The recording files will be named 'AUX00001', 'AUX00002' and so on. Please see '5.2 Recording folders' for more detail of how the audio system organises recordings.

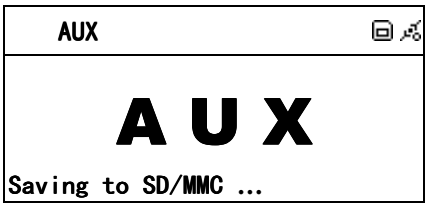


Enter AUX mode

Press「REC」to start recording



The recording quality depends on the quality of your audio source.



Press「STOP/ESC」to stop recording

Chapter 11 Setup

- Throughout the set-up menus, highlight, scroll or navigate with the up ▲ and down ▼ buttons. Step back up a menu level with [STOP/ESC]. Confirm with [SELECT/OK].

11.1 Date & Time

- The audio system uses NTP (network time protocol) to automatically synchronise time and date via the Internet at 00:00 and 12:00 or every time the system is switched on.
- Automatic time sync can be disabled so date and time can be set manually.
- Supports DST (Daylight Saving Time).
- To display synchronised time correctly, the World Time Zone must be correctly set (see 11.1.5 'Time Zone').

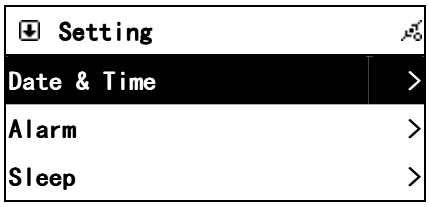
The Time Sync function will auto-run when turn on/off and 12:00 am/pm everyday.

11.1.1 Turning Time Synchronisation off or on

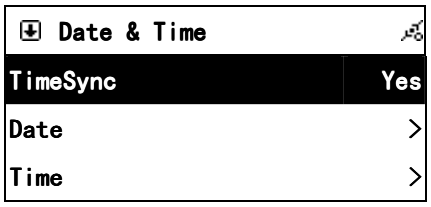
- Press「**SETUP**」button, then scroll up/down to [**Date & Time**] and press 「**SELECT/OK**」button.
- The default [**TimeSync**] is'On'. To set the time and date manually, press [OK] to change it to 'Off'. Press [OK] to turn time sync back on again.

11.1.2 Setting the Date

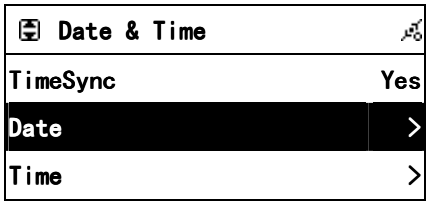
-
- Scroll to 'Date' and press [OK]. Press up or down buttons to change the day. Change to month and year setting by pressing [OK] and adjust each with the up or down buttons. Completing the year setting returns you to the 'Date & Time' menu.
- Press「**STOP/ESC**」button to step back to the main menu.



Select [Date & Time], and press「SELECT/OK」

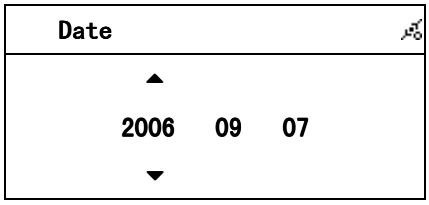


The default TimeSync is Yes

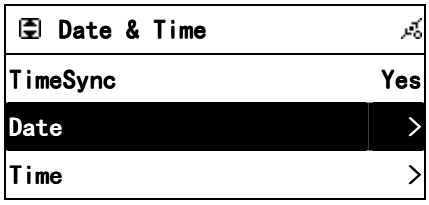


Scroll to [Date] and press「SELECT/OK」

→



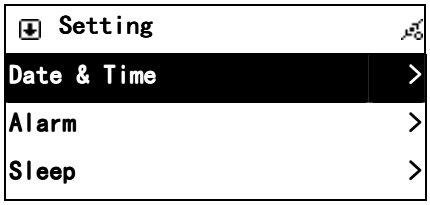
Press Up / Down ▲▼ to adjust the year, month, and day
Change item with skip fwd / skip back buttons ▶▶| |◀◀



After finishing, the changes will be saved

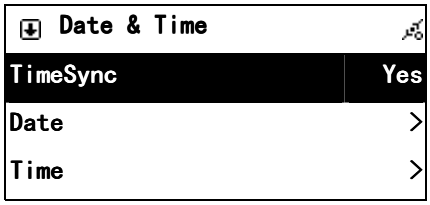
11.1.3 Setting the Time

- Press「**SETUP**」button, then scroll up/down to [**Date & Time**] and press「**SELECT/OK**」button to enter [**Time**] submenu.
- The default [**TimeSync**] is 'On'. To set the time and date manually, press [OK] to change it to 'Off'.
- Scroll to 'Time' and press [OK]. Press up or down buttons to change the hours. Change to minutes by pressing [OK] and adjust with the up or down buttons. Completing the minutes setting returns you to the 'Date & Time' menu. You can't adjust seconds.

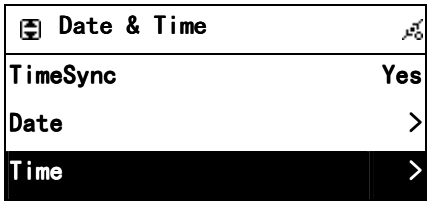


Select [Date & Time], and press「SELECT/OK」

→

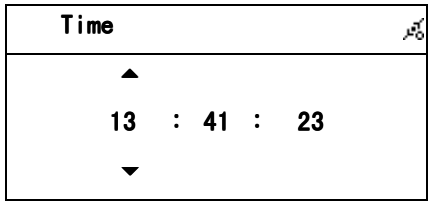


The default TimeSync is Yes

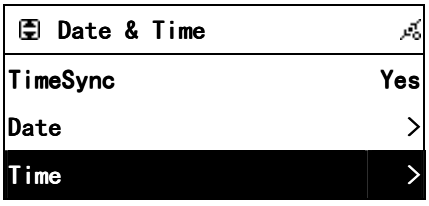


Scroll to [Time] and press「SELECT/OK」

→



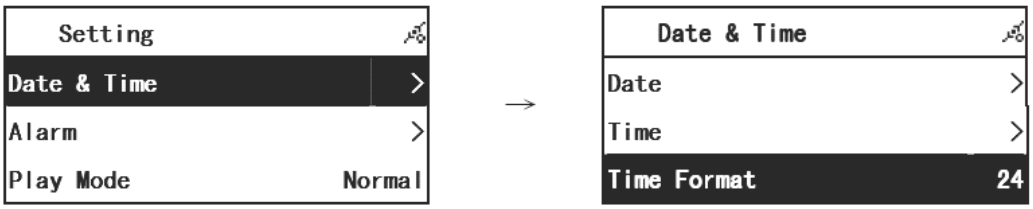
Press Up / Down ▲▼ to adjust the hours and minutes
Change item with skip fwd / skip back buttons ▶▶| |◀◀.



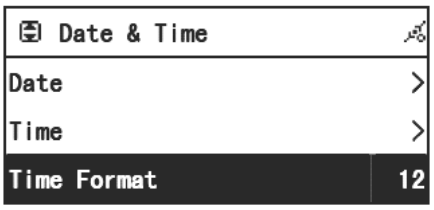
After finishing, the changes will be saved

11.1.4 Setting Time Format, World Time Zone and DST

- Press [**SETUP]** button, then scroll to [**Date & Time**] and press [**SELECT/OK]** button.
- Scroll down to '**Time Format**' and press [**SELECT/OK]** button to change between 12-hour and 24-hour time display.

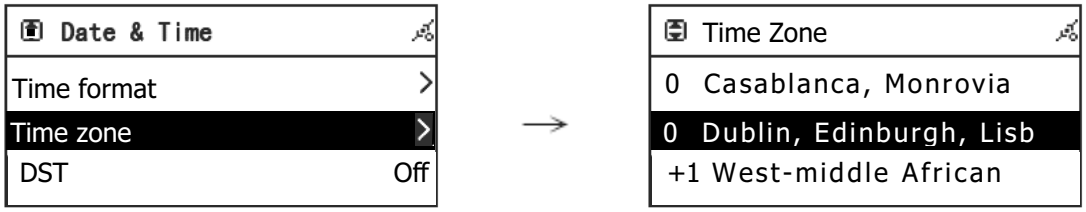


Select [Date & Time], and press 「SELECT/OK」 → Choose [Time Format] to change



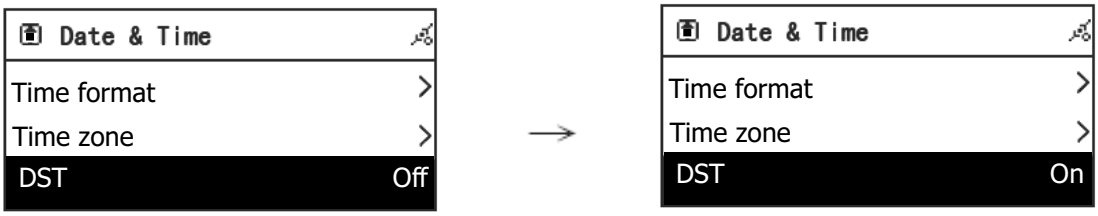
Press 「SELECT/OK」 to confirm

- Scroll down to '**Time Zone**' and press [**SELECT/OK]**.
- Time zone menu is displayed. Press up or down buttons to change the time zone. Each zone is indicated by major cities and the number of hours difference to Universal Co-ordinated Time (UTC). (UTC is commonly called Greenwich Mean Time, or GMT, although there is a tiny difference between the two.)
- Press [**SELECT/OK**] to confirm time zone and return to the 'Date & Time' menu.



Select 'Time Zone', press [OK]. → Scroll up or down to change zone and press [OK] to confirm.

- Scroll to '**DST**' and press [**SELECT/OK]** to change DST to 'On' or 'Off'. When set to 'On', the time display automatically advances an hour in Spring and falls back an hour in Autumn.
- Press [**STOP/ESC**] if you wish to step back to the main menu.



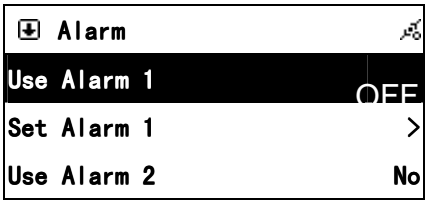
Select 'DST', press [OK].

11.2 Alarm

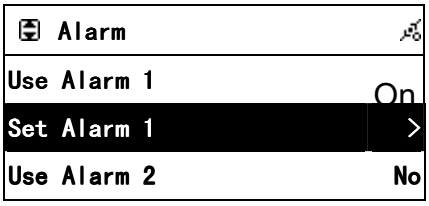
- Features two alarm clock settings.
- Features daily alarm clock.
- Features different alarm-clock sounds (Beep / i.Radio / USB / SD/MMC / FM).

11.2.1 Setting the Alarm

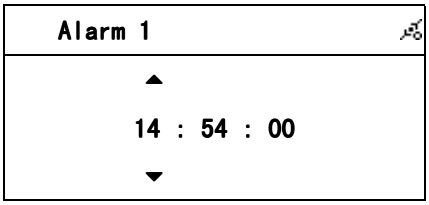
1. Press「**SETUP**」button, then scroll down to [**Alarm**] and press 「**SELECT/OK**」button.
2. Scroll to [**Use Alarm 1**] submenu and press「**SELECT/OK**」button to activate the alarm. The default [**Use Alarm 1**] is 'No' (inactive).
3. Scroll to [**Set Alarm 1**] to set the alarm clock and press [**SELECT/OK**].
4. Press up or down button to adjust alarm hours and press「**SELECT/OK**」.
5. Press up or down button to adjust alarm minutes.
6. Press [**SELECT/OK**] to finish and return to the Alarm menu.
7. For the alarm to work the audio system must be put on stand-by by pressing the [STANDBY] button.



The default [Use Alarm 1] is Off.

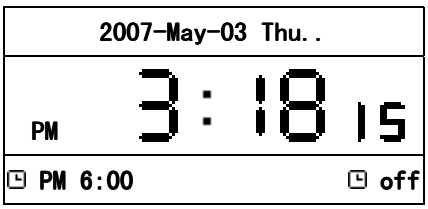


Scroll to [Set Alarm 1] to set the alarm clock



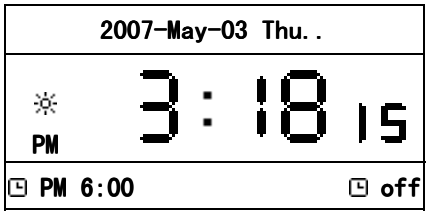
Press Up / Down to adjust the hours and minutes

Change and finish with [OK]



After finishing, the changes will be saved

Alarm status is shown on the bottom row of the time display.



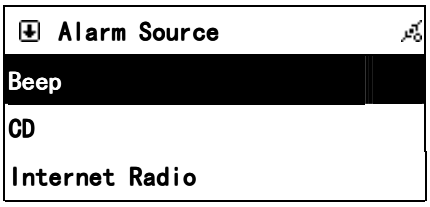
will show if DST(Daylight Saving Time)is chosen

11.2.2 Setting the Alarm Sound

1. Press「**SETUP**」,scroll down to [**Alarm**] and press「**SELECT/OK**」.
2. Scroll to [**Alarm Source**] then press「**SELECT/OK**」
3. Scroll to the alarm sound you require and press 「**SELECT/OK**」button to confirm.

- In some circumstances the display of the audio system will flash to inform you there is an alarm time entry error. Make sure the clock time is correct and the hours are correctly entered if you have chosen 24h format in the date & time set-up menu. If you have chosen 12h format, make sure 'AM' or 'PM' is correctly set.

.



Scroll UP/DOWN button to determine an alarm sound, and then press「SELECT/OK」button to confirm
Put the audio system into stand-by by pressing the [STANDBY] button.

- The default alarm sound is “Beep”.
- When the system is on stand-by, the alarm will go off with the chosen sound when the alarm time is up.
- The default alarm music of i.Radio is the first radio station in the FAVORITE file. For other music sources it will be the first song in the 'all' list or the first file or track on CD.

11.2.3 Alarm volume

1. Press [**SETUP**] , scroll down to '**Alarm**' and press [**SELECT/OK**] to display the alarm menu.
2. Scroll down to 'Alarm Volume' and press [**SELECT/OK**] to change the setting, '1' being the quietest and '3' being the loudest. The default setting is '2'.
3. Press [**STANDBY**] or [**STOP/ESC**] to exit.

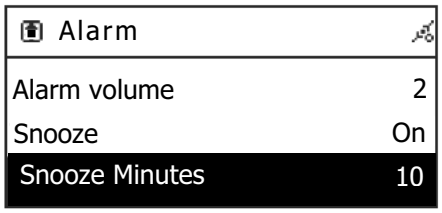
- The normal volume control does not have any effect when the alarm is operating.

11.2.4 Snooze

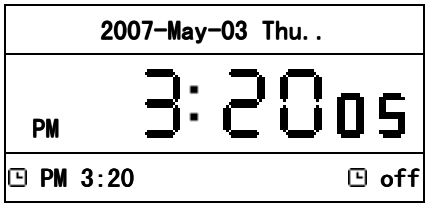
1. Press [**SETUP**] , scroll down to '**Alarm**' and press [**SELECT/OK**] to display the alarm menu.
2. Scroll down to '**Snooze**' and press [**SELECT/OK**] to change the setting to 'On' or 'Off'. When snooze is on, you can press the [**MUTE**] or [**MUTE/SNOOZE**] button to shut off the alarm for a few extra minutes. You can set how long in 'Snooze minutes'…
3. Press [**STANDBY**] or [**STOP/ESC**] to exit.

11.2.5 Snooze minutes

1. Press [**SETUP**] , scroll down to '**Alarm**' and press [**SELECT/OK**] to display the alarm menu.
2. Scroll down to '**Snooze**' and press [**SELECT/OK**] to change the setting to '5', '10' or '15' minutes. If you press [**MUTE/SNOOZE**] while the alarm is operating, and 'Snooze' is set to 'On' (see 11.2.4 above), it will shut the alarm off for this many minutes.
3. Press [**STANDBY**] or [**STOP/ESC**] to exit.



Press ▲ or ▼ to scroll up or down.
Press [**SELECT/OK**] to change settings.



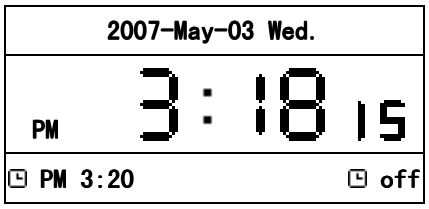
Press [STANDBY] or [STOP/ESC] to disarm the alarm

11.2.6 Disarming the Alarm

- When alarm time is up in the “Standby Alarm” mode, the display will flash and

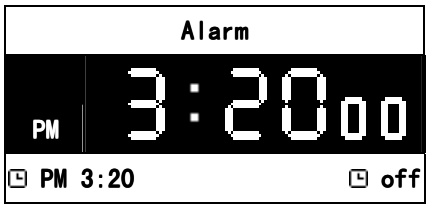
the alarm source will be played.

- Press「**Standby**」, or「**STOP/ESC**」, button to disarm the alarm.

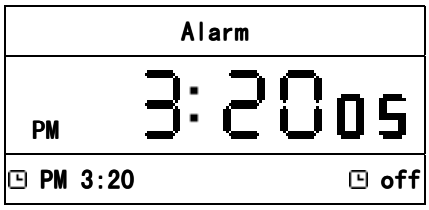


STAND BY Mode

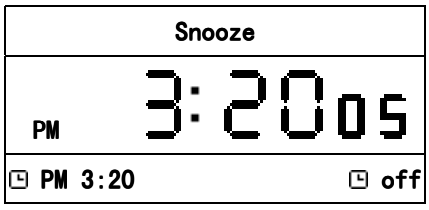
→



When alarm time is up, the display will flash.



When alarm time is up, the display will flash.



Press [Snooze] to enter SNOOZE mode if Snooze function has been activated,

11.3 Sleep

11.3.1 SLEEP Mode

1. Press [SETUP] , scroll down to 'Sleep' and press [SELECT/OK] to display the 'Sleep' menu.
2. The sleep function can be enabled or disabled: Scroll to 'Sleep' and press [SELECT/OK] to change the setting to 'On' or 'Off'.
3. Scroll to 'Sleep Minutes' then press the 「**SELECT/OK**」 button to switch sleep timer to 5, 10, 15, 20, 30, 60, 90 or 120 minutes.
4. Press [MENU] or [STOP/ESC] to resume normal operation.

- After the set 'sleep minutes' the system will automatically shut down to stand-by.
- z_z icon will show at the top of the display when the sleep timer is on.
- You can enable or disable the sleep timer directly from the remote by pressing the [SLEEP] button.

Press「SLEEP」to set sleep timer.

→

z_z icon will show on the display.

11.4 Network

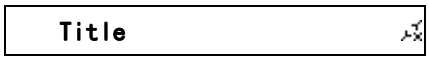
This audio system supports the following network types and wireless security:

- LAN (Ethernet) and WLAN with 801.11b/g USB Wi-Fi dongle.
- WEP64/128 and WPA-PSK authentication with TKIP encryption. It does not support WPA2 or AES encryption. Default wireless setting is no security.
- Dynamic IP adressing usingDHCP (Dynamic Host Configuration Protocol) . Also supports static IP addressing. The default setting is ethernet LAN and DHCP.
- Upnp. (Universal Plug and Play).

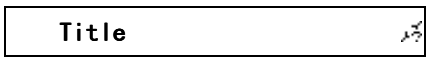
11.4.1 Understanding the Networking States on Smart Boombox

- The network connectivity status icon will show at the top of the display.

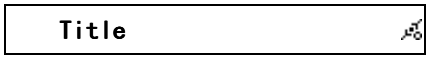
Table 11.4.1.1 - LAN Status



→ • Failed to detect the Ethernet cable.

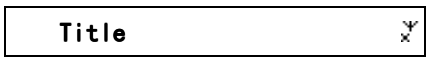


→
- Successfully detected the Ethernet cable.
- Failed to get DHCP information.

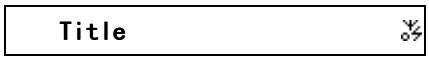


→
- Successfully detected the Ethernet cable.
- Successfully detected DHCP information
- Ethernet network connection is OK.

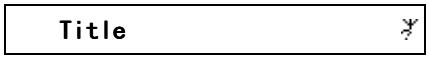
Table 11.4.1.2 - WLAN Status



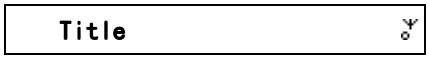
→ • Failed to detect the USB Wi-Fi adapter.



→
- Successfully detected the USB Wi-Fi adapter.
- Successfully detected DHCP information.
- Wifi Dongle is ready.

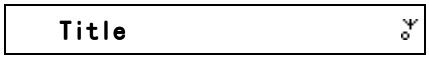


→
- Successfully detected the USB Wi-Fi adapter.
- Failed to get DHCP information.

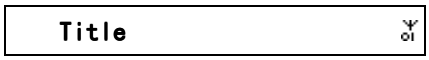


→
- Successfully detected the USB Wi-Fi adapter.
- Successfully detected DHCP information.
- Data link not established.

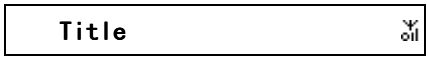
Table 11.4.1.3 - WLAN signal strength for Internet radio or UPnP modes.



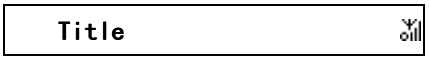
→ • Signal strength received from AP is under 20%



→ • Signal strength received from AP is between 20% - 59%.



→ • Signal strength received from AP is between 60% - 79%.



→ • Signal strength received from AP is above 80%.

NOTE：Single strength above 70% is considered as a good single source.

- Throughout the set-up menus, highlight, scroll or navigate with the up ▲ and ▼ down buttons. Step back a menu level with [STOP/ESC]. Confirm with [SELECT/OK].

11.4.2 Setting the Wi-Fi Connectivity

1. Insert a Wi-Fi USB adapter into the USB connector at the rear. (The Wi-Fi USB adapter is optional)
2. Press [**SETUP**] button, then scroll up/down to [**Network**] and press the [**SELECT/OK**] button.
3. Scroll to [**Connect**] and press [**SELECT/OK**] to change [**LAN**] to [**WLAN**].
4. Scroll up ▲ / down ▼ to [**Wireless**] and then press [**SELECT/OK**] button to open the 'Wireless' menu.
5. Scroll up /down to [**Connect mode**], [**SSID**], [**Encryption**] or [**Site Survey**] then press [**SELECT/OK**] button to open those respective menus.

Connect mode
Always set to '**Infra**' when the system is wirelessly linked to other devices via a wireless router.
Set to '**Ad-Hoc**' mode if the system is wirelessly linked directly to a computer acting as router or server.

SSID
The SSID is the network name, usually the name of the router if no-one has changed it. Normally the router broadcasts this name although router settings may allow it not to be. For this audio system to work the SSID **must** be broadcast.
To change the SSID manually, scroll to '**SSID**' and press [**SELECT/OK**]. Change each character with the up ▲ or down ▼ buttons, or the number buttons on the remote. Select the next character with the skip forward ⏭ or backward ⏮ button. Press [**STOP/ESC**] to delete a character. Press [**SELECT/OK**] again to finish.

- If the '**SSID**' is '**any**' (the default setting), the audio sytem will automatically try to connect to the first wireless link that it finds.
- It may be easier to set the SSID using the Wi-Fi Wizard – see section 11.4.3.

Encryption
In a computer network with wireless links, it may be possible for unauthorised persons to pick up transmitted data you would not want them to have. To guard against this, the data can be encrypted. To enable communication between devices on the network, each one must have the same encryption settings. There are various encryption methods, some of which are not compatible with this audio system (please see under '11.4 Network').
To change the encryption, scroll to '**Encryption**' and press [**SELECT/OK**].

Scroll to '**Encryption mode**' and press [**SELECT/OK**] to change setting. These are the possible settings:

[**None**]
This is the default setting. The audio system can communicate with any network which is unsecured.

[**WEP**]
Wired Equivalent Privacy : This provides "basic" security. As you select 'WEP', new menu items appear:

'**Auth**' : Press [**SELECT/OK**] to change between '**Open system**' and '**Share key**'.

- '**Open system**' means the network type is WEP, but there actually is no encryption.
- '**Share key**' is the key phrase which the computer(s) and router must 'know' in order to decrypt the data. You must enter the same key phrase into these devices.

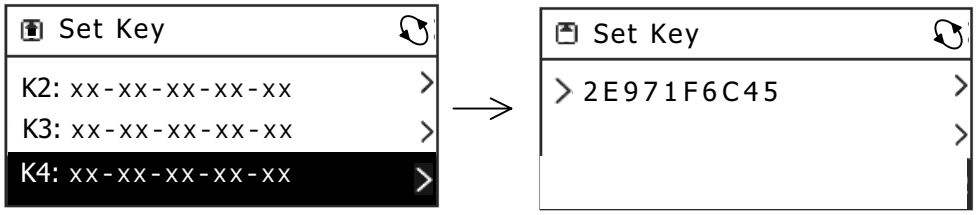
'**Encode mode**' : Press [**SELECT/OK**] to change between '**HEX**' and '**ASCII**'. You will not know which is best until you have seen the set-up menu of the router, since the key phrase generates key numbers which may be shown either as hexadecimal numbers or as the equivalent ASCII characters. You choose the 'encode mode' which best matches your router (and computer) display. 'Hex' is the default mode, which usually makes it easier to set the key phrase (see below).

'**Bits**' : Press [**SELECT/OK**] to change between '**64**' and '**128**' bit encryption. The more bits, the more secure it is. Whatever you set, the router and computer must match it.

'**Key**' : Providing you chose 'Hex' encode mode (above), the Pass Phrase in WEP causes the audio system, router or computer to generate four key numbers and you choose which one to use. Again, the router and computer must use the same one. The key phrase in 128-bit WEP generates just one key number.

'**Set Key**' : Press [**SELECT/OK**] to open the sub-menu :

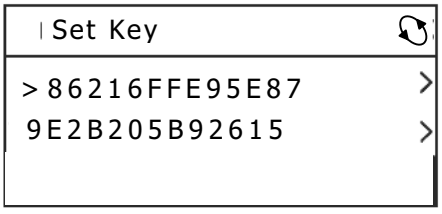
- **'Passphrase'**: The phrase is case-sensitive and can contain letters, numbers and a few other characters, for example: 'W3izzy'. It will make the audio system automatically generate the encryption key numbers. Some routers also have this facility.
  To enter the Pass Phrase, scroll to '**Passphrase**' and press [**SELECT/OK**]. Change each character with the up ▲ or down ▼ buttons or the number buttons on the remote. Select the next character with the skip forward ⏭ or backward ⏮ button. Press [**STOP/ESC**] to delete a character. Press [**SELECT/OK**] again to finish.
- **'Set Key**' : 64-bit WEP : Scroll to '**Set Key**' and press [**SELECT/OK**].



Press ▲ or ▼ to scroll up or down. Press [**SELECT/OK**] to display the selected hexadecimal key number.

The key number can be edited in the same way as the pass phrase, using skip forward, backward, left and right buttons. Press [**SELECT/OK**] to confirm and return to the previous display. Press [**STOP/ESC**] to return to the '**Encryption**' menu.

- **Set Key**' : 128-bit WEP : Scroll to '**Set Key**' and press [**SELECT/OK**].



Again the key number can be edited in the same way as the pass phrase, using skip forward, backward, left and right buttons. Press [**SELECT/OK**] to confirm and return to the previous display. Press [**STOP/ESC**] to return to the '**Encryption**' menu.

- Read off the key number and enter it into your router, or read the number off your router and enter it into the audio system. Or use the Pass Phrase to automatically generate the same key numbers in both devices !

[**WPA**]
Wireless Protected Access : this provides better security than WEP. As you select 'WPA', the only menu item that appears is '**Passphrase**'. This is actually the WPA Pre-Shared Key (WPA-PSK).
You can enter the Pass Phrase in the same way as for WEP, above. The system may demand an 8 to 63 character Pass Phrase the one you enter is too short.

- Press [**SELECT/OK**] to finish the Pass Phrase.
- Press [**STOP/ESC**] to return to '**Encryption**'.

Important !
In the wireless router security set-up:

- You can choose WPA-PSK but **not** WPA2-PSK authentication.
- You can choose 'TKIP' encryption (Temporal Key Integrity Protocol) but **not** 'AES' (Advanced Encryption Standard).
- The router **must** broadcast the SSID (network name).

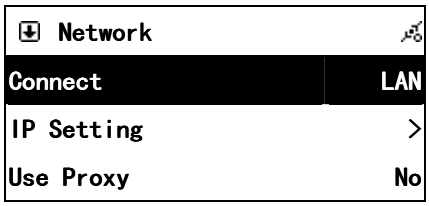
Site Survey
Scroll to '**Site Survey**' and press [S**ELECT/OK**]. The system displays Scanning and lists the names (SSIDs) of any available wireless networks it has found. But of you want to change which wireless network it is using, use the Wireless Network Wizard.

Finish network set-up

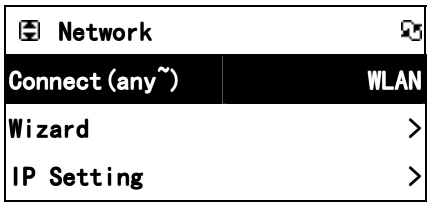
To finish network set-up, press [MENU] or step back out of the set-up menus with [STOP/ESC]. The audio system will display Apply Setting until it has finished negotiating the connection, assuming you changed something! Check the network state indicator (11.4.1) to see if the attempt has been successful. To confirm it, switch off main power and re-connect. If all is well the display will follow the start-up sequence shown in section 2.2 – 'Network setting – WLAN'.

11.4.3 Setting the Wi-Fi Connectivity by Wi-Fi Wizard

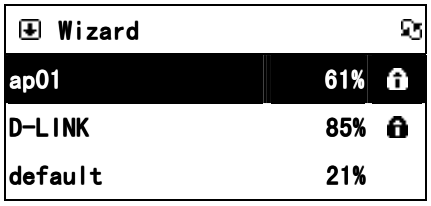
1. Make sure physical connections have been made and the Wi-Fi USB adaptor has been inserted at the rear of the system as described in chapter 2 - 'Installation'. Switch on the wireless modem / router first. Connect power to the audio system and allow it to attempt network connection. If necessary highlight [EXIT]. Press [STANDBY] to turn it on.
2. Press「**SETUP**」button, then scroll up/down to [**Network**] and press 「**SELECT/OK**」button.
3. Scroll to [**Connect**] and press [SELECT/OK] to switch [**LAN**] to [**WLAN**].
4. Scroll to [**Wizard**] and press「**SELECT/OK**」button.
   The system displays 'SCANNING', then lists any available AP (access points) it can find.
5. Scroll up/down to an access point you want to connect, and then press 「**SELECT/OK**」button. Encrypted access points are listed with a padlock symbol. The system requests confirmation. Press left / right button to highlight 'Yes' or 'No'. Press [SELECT/OK] to confirm.
6. If the access point that you chose has encryption, you can input the encryption Pass Phrase. Press UP/DOWN (or number) button to change characters and press left / right button to shift character position. Press [STOP/ESC] to delete a character.
7. Press「**SELECT/OK**」to finish and confirm Pass Phrase entry and wait for the system to resolve the new network settings.
8. icon will show at the top of the display if the wireless setting is successful.



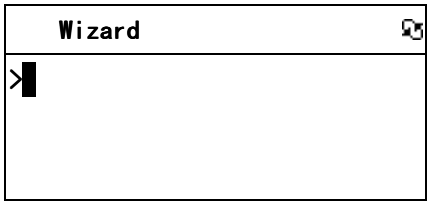
Select [Connect] and switch [LAN] to [WLAN].



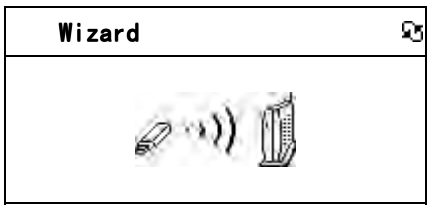
Select [Wizard] and press [SELECT/OK] button



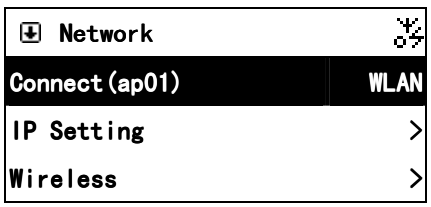
Enter [Wizard], then all available AP and its signal strength will be shown on the display. Press up / down buttons to highlight one and [OK] to confirm it.



Use UP/DOWN (or numbered keys) and left/right buttons to input an encryption key to access the AP, if necessary. After entering the encryption key, press 「SELECT/OK」and press 「STOP/ESC」to exit



Proofing the encryption key…



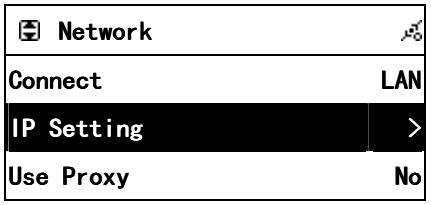
will show when the setting is successful.

To finished network set-up, press[MENU] or step back out of the set-up menus with[STOP/ESC]. The audio system may display 'Apply Setting' and 'Network' setting as it attempts to negotiate the connection. Check the network state indicator(11.4.1)to see if the attempt has been successful. To confirm it, switch off main power and re-connect. If all is well the display will follow the start-up sequence shown in section 2.2 -'Network setting' - 'Ethernet LAN'.

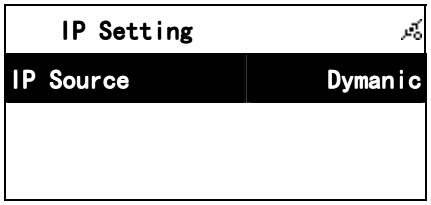
11.4.4 Inputting Static IP address

- This is an advanced set-up feature for network engineers.

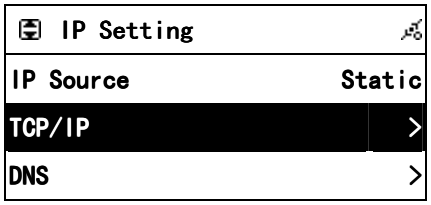
1. Press「**SETUP**」button, then scroll up/down to [**Network**] and press 「**SELECT/OK**」button.
2. Scroll up/down to [**IP Setting**] and then press「**SELECT/OK**」button to enter.
3. Select [**IP Source**] and press「**SELECT/OK**」button to switch [**Dynamic**] to to return to the IP setting menu.[**Static**].
4. Scroll up/down to [**TCP/IP**] and then press「**SELECT/OK**」button to start editing..
5. Press UP/DOWN button to change numbers. Press LEFT/RIGHT button to shift.
6. After finishing, press「**STOP/ESC**」button once to finish editing and again to return to the IP setting menu.



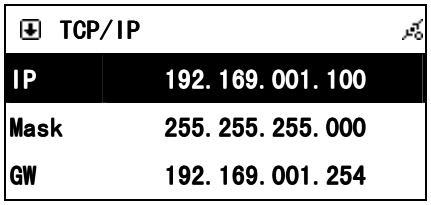
Select [IP Setting], then press「SELECT./OK」



Press「SELECT/OK」to switch [IP Source] to [Static]



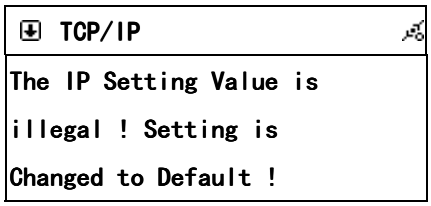
Select [TCP/IP], then press「SELECT./OK」



Press UP/DOWN (or numbered key) then LEFT/RIGHT to input IP.
Press [STOP/ESC] twice to finish.

- The display will warn you if you choose an IP address, sub-net mask or gateway (GW) address outside the 'legal' range. Then the settings will revert to their default values.

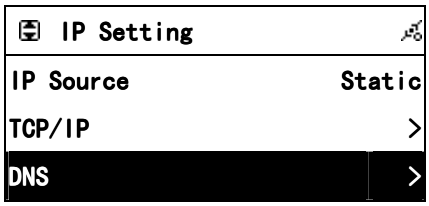
.



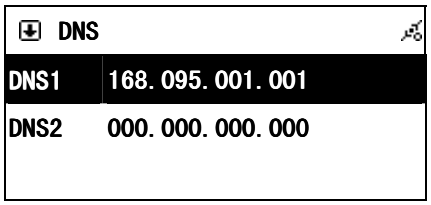
11.4.5 Inputting DNS address

- This is an advanced set-up feature for network engineers.

1. Press「**SETUP**」button, then scroll up/down to [**Network**] and press 「**SELECT/OK**」button.
2. Select [**DNS**] and then press「**SELECT/OK**」button.
3. Press UP/DOWN button to change numbers. Press LEFT/RIGHT button to shift position.
4. After finishing, press「**SELECT/OK**」button once to finish editing and again to return to the IP setting menu.
5. Press [STOP/ESC] to step back out of the set-up menus. The system will display 'Apply Setting' and attempt to negotiate the connection with the new settings.



Select [DNS] and press「SELECT/OK」button



Press UP/DOWN (or numbered key) then LEFT/RIGHT to input IP

Press [STOP/ESC] twice to finish.

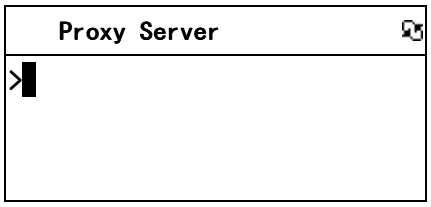
11.4.6 Inputting Proxy Server address

1. Press「**SETUP**」button, then scroll up/down to [**Network**] and press 「**SELECT/OK**」button.
2. Scroll up/down to [**Use Proxy**] and then press「**SELECT/OK**」 button to switch to [**Yes**].
3. Scroll up/down to [**Proxy Server**] and then press「**SELECT/OK**」 button to input domain name or IP address.
4. Press「**SELECT/OK**」button, then press UP/DOWN or remote number buttons to change characters, press LEFT/RIGHT button to shift.
5. Press「**SELECT/OK**」button to confirm and return to Network menu.
6. Scroll up/down to [**Proxy Port**] and then press「**SELECT/OK**」button. Input port number in same manner as domain name or IP address (step#4).
7. Press SELECT/OK button to confirm and return to Network menu.
8. Press [STOP/ESC] to step back out of the set-up menus. The system will display 'Apply Setting' and attempt to negotiate the connection with the new settings.

Input table for proxy server address

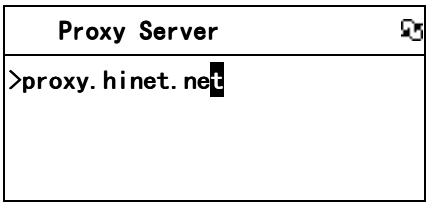
Key	Description
OK / Select	Start and finish editing
STOP/ESC	Delete a character
Up	Change character 0-9, a-z ,A-Z, symbol
DOWN	Change character 0-9, a-z ,A-Z, symbol
LEFT	Shift to left
RIGHT	Shift to right
1	1./_!@#$%^&*:; ' " / \()[]{} space
2	2 abc ABC
3	3 def DEF
4	4 ehi EHI
5	5 jkl JKL
6	6 mno MNO
7	7 pqrs PQRS
8	8 tuv TUV
9	9 wxyz WXYZ
0	0

.



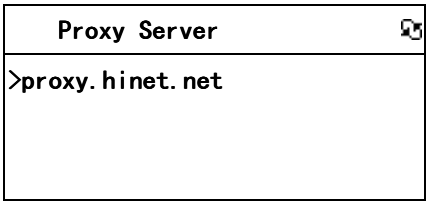
Ready to Edit

→



Press UP/DOWN (or numbered key) then

LEFT/RIGHT to input characters.



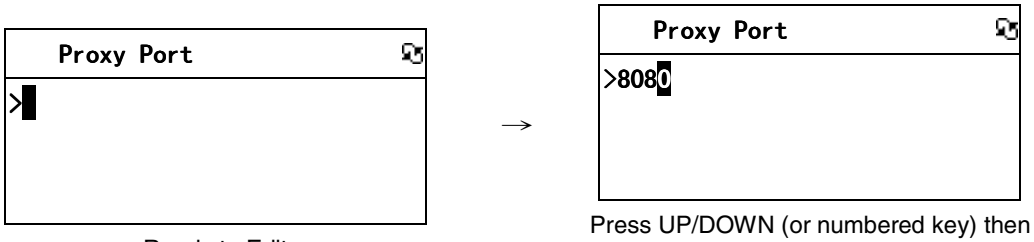
Press「SELECT/OK」to confirm

• Select [**Proxy Port**] to input a proxy server port

Input table for proxy port number

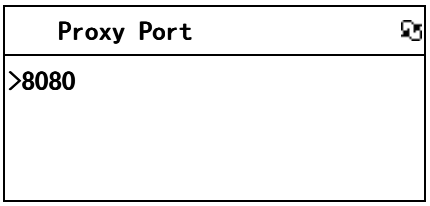
Key	Description
OK / Select	Start and end editing
STOP/ESC	Delete a character
Up	Change character 0-9
DOWN	Change character 0-9
LEFT	Shift to left
RIGHT	Shift to right
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
0	0

Table 11.4.6.2



Ready to Edit

Press UP/DOWN (or numbered key) then LEFT/RIGHT to input characters

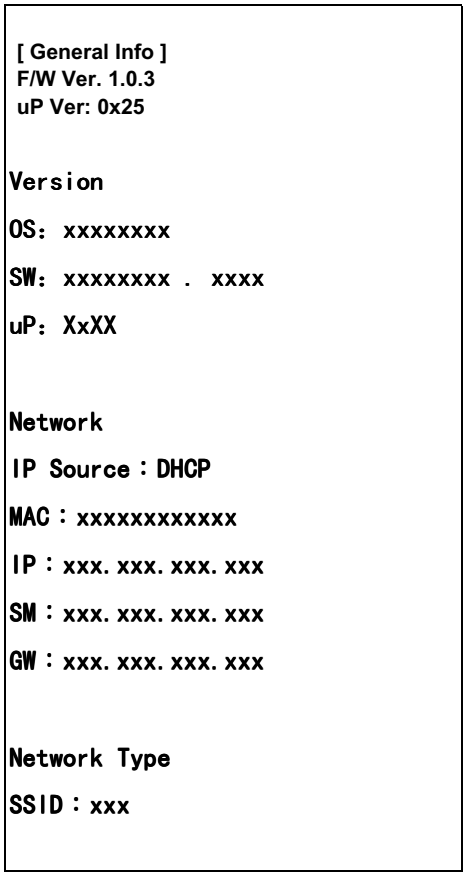


Press「SELECT/OK」to confirm

11.5 Information Display

Press [SETUP] button, scroll up/down to [Information] and press the [SELECT/OK] button.
Press up/down buttons to display further information including network settings and detailed operating system version information. (Displayed information may vary according to firmware version.)

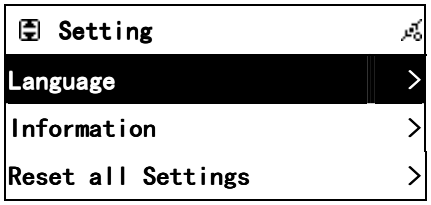
Example：



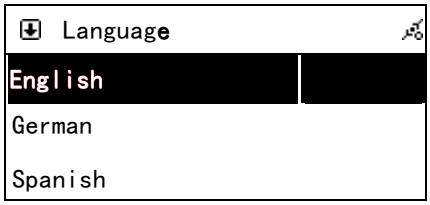
11.6 Language

- Supports 11 languages – English、German、Spanish、Portuguese、French、

Italian、Swedish、Finland、Dutch、Danish、Traditional Chinese. The default language of the audio system is English.



Press「SETUP」and then choose「Language」with the up ▲ or down ▼ buttons and press [SELECT/OK]

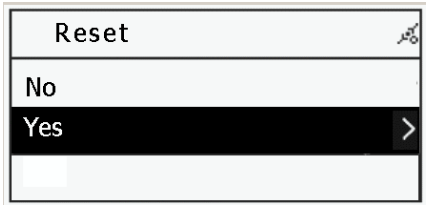


Select language with up ▲ or down ▼ and press「SELECT/OK」

Press [STOP/ESC] or [MENU] to return to main menu.

11.7 Reset All Settings

Press [SETUP] button, scroll up/down to [Reset All Settings] and press the /OK] button. The 'Reset' menu appears.
Press down ▼ button to scroll to 'Yes' and press [OK].
The display shows 'Reset to Default' and all settings are restored to ex- factory values.



11.8 Firmware Upgrade

- This audio system supports on-line upgrade over the Internet.

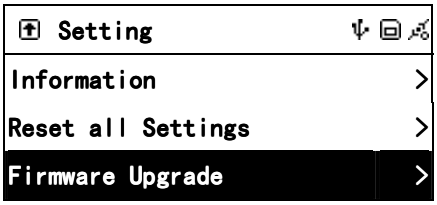
NOTE: You will have to enter all settings again after the firmware upgrade.

11.8.1 On-line upgrade

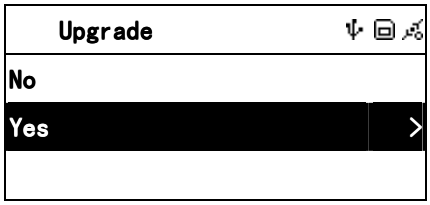
1. Make sure the Internet environment is ready
2. Press「**SETUP**」button, then scroll up/down to [**Firmware Upgrade**] and press 「**SELECT/OK**」button.Highlight 'Yes' in confirmation display and press [OK] again.
3. The audio system will restart automatically after finishing upgrade.
4. Do not switch off or press any function key during the upgrade procedure, otherwise your audio system may become inoperable.

NOTE: You will need to check all settings after upgrading.

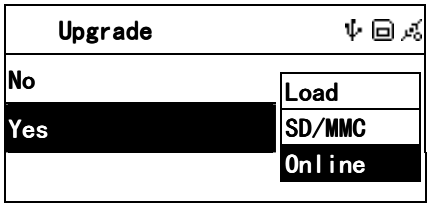
- Select an item (move the highlight) with the up▲or down▼buttons.



Select [Firmware Upgrade], then press「SELECT/OK」

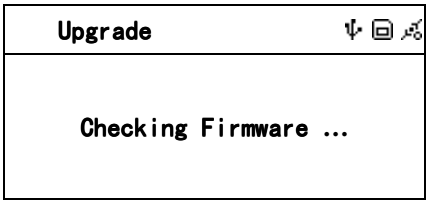


Select [Yes] and press「SELECT/OK」to confirm

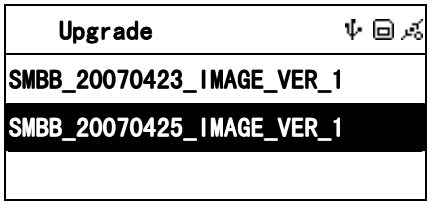


Select [Online], and press

「SELECT/OK」

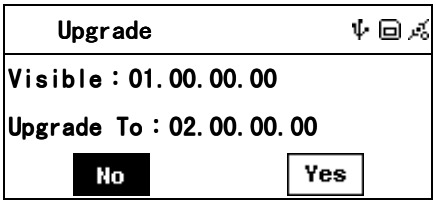


Searching for updated firmware version

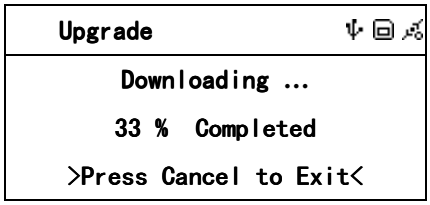


Available version will show on the display.

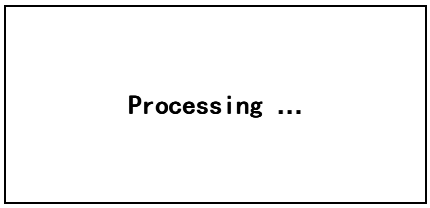
→



Select [Yes] to confirm



Downloading…press「STOP/ESC」to cancel download



Upgrading the firmware…
This process takes around 2 minutes.

The upgrade is complete.

Chapter 12 - Troubleshooting

If you have any of the problems listed below please use this troubleshooting guide to try and solve them.
A little time spent in this way may save you the inconvenience of returning your equipment.

Problems	Items to check
Power System does not turn on, or does not respond to controls. **Memory card** Not playing	• Make sure AC mains plug is secure in the outlet, and outlet has power. • Pull the mains plug out for 1 minute then re-connect and try again. If this does not work, leave the unit unplugged before seeking advice. • Is the memory stick compatible with the unit, try another type of stick. • Make sure there are music files on the memory card and that they are supported types.
CD Disc won't play. Can’t get CD information from Gracenote Music Recognition Service.	• Make sure disc label is facing up. • Make sure disc is clean and not damaged. Try another disc. • Pause mode is activated; press the [PLAY/PAUSE] button. • Check the internet connection is working (see Internet and Network…) • Try ejecting the disc and inserting it again. • The disc does not match any information in the Gracenote Media Database. • Data CD (MP3 or WMA files) is not supported by the Gracenote function.
Sound skips or pickup sticks	• Make sure disc is clean and not badly scratched. • Vibration can cause the disc to skip.
FM RADIO Poor reception	• Make sure the FM antenna is connected. • Move the unit away from other operating electrical equipment such as motorised appliances, transformers, televisions and computer monitors. • Please be aware the structure of some buildings blocks radio waves.
NO SOUND	• Is the sound muted ? - press the MUTE button. Turn the volume up. • Are the headphones connected to the unit ? – unplug them.
REMOTE Wrong functions or Short range	• Insert new batteries • Aim from straight in front of the remote sensor.

INTERNET RADIO The radio station is listed but I cannot play it.	• The station is not broadcasting at this time of the day (it may be in a different time zone). • The station has reached the maximum number of simultaneous listeners it can provide. • The Internet connection path between your radio and the server is slow, so it takes quite a long time for the audio buffer to fill up, or it can't fill up fast enough to keep pace with real time playback. • The station name is listed but it is not broadcasting any more. • The link to the audio stream used by the radio is out of date, so it does not connect. • The radio station is broadcasting using an audio format which is not playable by your audio system. • Try checking the radio station audio stream via the broadcaster's web site using a PC.
'Select network' menu is displayed.	• Network connection is not working. Check chapter 2 – 'Installation' and chapter 11 – 'Setup' – 'Network'. Also 'Network' in this guide.
RECORDING	• Make sure the memory card or USB drive has enough free space. • Make sure the memory card or USB drive is not write-protected. • You may be trying to copy an unsupported file type (only MP3 is supported).
NETWORK Can't resolve connection… Clock won't auto-set even though 'Time Sync' is on. No Internet radio. Media Server function just displays 'Scanning server' but does not find any server.	• Check that a computer connected to the local network can access the Internet. • The most common trouble with wireless networks is incorrect entry of the network name (SSID) or Pass Phrase. Remember these are case-sensitive and every character counts, including spaces. See section 11.4.2, 'Setting the Wi-Fi connectivity'. • Use Windows Media Player 11 or similar UPnP media server software which will automatically configure Microsoft Windows XP or Vista built-in firewall. • Check that your access point (router) does not restrict connections to particular MAC addresses. In your router set-up menu this will probably be under Firewall – MAC address filtering. • As a **temporary** measure, you maybe able to turn off the router firewall to prove whether or not it is blocking communication, especially for the UPnP Media Server function. Please read the router opertating instructions for how to do this. • If you get in a mess with the settings, you can always start again with section 11.8 – 'Reset all settings'. • Routers and similar 'access point' devices have built-in help menus, on-line support and telephone support. Microsoft Windows and similar operating systems have local help menus (press the F1 key) and masses of Internet support. You may be able to make use of these facilities.